

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2023 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023	
A	This return/report is for: ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____ ☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C	If the plan is a collectively-bargained plan, check here. ▶ ☐
D	Check box if filing under: ☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E	If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ▶ ☐

Part II	Basic Plan Information—enter all requested information
1a	Name of plan MKS INSTRUMENTS, INC. PROFIT SHARING & 401(K) PLAN
1b	Three-digit plan number (PN) ▶ 001
1c	Effective date of plan 07/01/1978
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) MKS INSTRUMENTS, INC. 2 TECH DRIVE, SUITE 201 ANDOVER, MA 01810
2b	Employer Identification Number (EIN) 04-2277512
2c	Plan Sponsor's telephone number 978-645-5659
2d	Business code (see instructions) 334500

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/08/2024	CARLA MCCULLY
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 4290
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) g(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 2991 6a(2) 2770 6b 56 6c 1318 6d 4144 6e 7 6f 4151 6g(1) 4178 6g(2) 4070 6h 59
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:

2E 2F 2G 2J 2K 2S 2T 3D 3H

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
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10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- (1) ☒ **R** (Retirement Plan Information)
- (2) ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3) ☐ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary
- (4) ☐ **DCG** (Individual Plan Information) – Number Attached _____
- (5) ☐ **MEP** (Multiple-Employer Retirement Plan Information)

b General Schedules

- (1) ☒ **H** (Financial Information)
- (2) ☐ **I** (Financial Information – Small Plan)
- (3) ☐ **A** (Insurance Information) – Number Attached 0
- (4) ☒ **C** (Service Provider Information)
- (5) ☒ **D** (DFE/Participating Plan Information)
- (6) ☐ **G** (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2023 Form M-1 annual report. If the plan was not required to file the 2023 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2023
		This Form is Open to Public Inspection.

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A Name of plan MKS INSTRUMENTS, INC. PROFIT SHARING & 401(K) PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 MKS INSTRUMENTS, INC.	D Employer Identification Number (EIN) 04-2277512

Part I

Service Provider Information (see instructions)

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1

Information on Persons Receiving Only Eligible Indirect Compensation

- a

Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).....

X

Yes

No
- b

If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b)	Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	
04-2647786	

(b)	Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

FIDELITY INVESTMENTS INSTITUTIONAL

04-2647786

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
37 60 64 65	RECORDKEEPER	264283	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

STRATEGIC ADVISORS, INC.

04-2654524

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27	ADVISOR	156064	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

BDO

13-5381590

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10	ACCOUNTANT/AUDITOR	21086	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

CAPFINANCIAL PARTNERS, LLC.

26-0058143

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27	INVESTMENT ADVISOR	20000	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

SEYFARTH SHAW LLP

36-2152202

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
29	ATTORNEY/LEGAL	8925	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
TCHSTN LG CAP FOC I - BNY MELLON I 500 ROSS STREET 15253-4426 PITTSBURGH, PA 53442	0.07%	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
TRP NEW HORIZONS - T. ROWE PRICE S 52-2269240	0.15%	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
WA CORE BOND I - FRANKLIN TEMPLETO 94-3167260	0.10%	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2023 This Form is Open to Public Inspection.
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For calendar plan year 2023 or fiscal plan year beginning **01/01/2023** and ending **12/31/2023**

A Name of plan MKS INSTRUMENTS, INC. PROFIT SHARING & 401(K) PLAN	B Three-digit plan number (PN) ▶ 001
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C Plan or DFE sponsor's name as shown on line 2a of Form 5500 MKS INSTRUMENTS, INC.	D Employer Identification Number (EIN) 04-2277512
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Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: **TRP STABLE VALUE N**

b Name of sponsor of entity listed in (a): **T. ROWE PRICE TRUST COMPANY**

c EIN-PN 52-1309931-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
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a Name of MTIA, CCT, PSA, or 103-12 IE: **MIP II CL 2**

b Name of sponsor of entity listed in (a): **FIDELITY MANAGEMENT TRUST COMPANY**

c EIN-PN 04-3022712-025	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 32036586
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a Name of MTIA, CCT, PSA, or 103-12 IE: **FID FRDM INX 2040 T**

b Name of sponsor of entity listed in (a): **FIAM TRUST COMPANY**

c EIN-PN 20-4659714-082	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 34126266
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a Name of MTIA, CCT, PSA, or 103-12 IE: **FID FRDM INX 2055 T**

b Name of sponsor of entity listed in (a): **FIAM TRUST COMPANY**

c EIN-PN 20-4659714-112	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 8585280
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a Name of MTIA, CCT, PSA, or 103-12 IE: **FID FRDM INX 2025 T**

b Name of sponsor of entity listed in (a): **FIAM TRUST COMPANY**

c EIN-PN 20-4659714-079	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 38575065
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a Name of MTIA, CCT, PSA, or 103-12 IE: **FID FRDM INX 2060 T**

b Name of sponsor of entity listed in (a): **FIAM TRUST COMPANY**

c EIN-PN 20-4659714-146	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 3045049
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a Name of MTIA, CCT, PSA, or 103-12 IE: **FID FRDM INX INC T**

b Name of sponsor of entity listed in (a): **FIAM TRUST COMPANY**

c EIN-PN 20-4659714-074	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2474583
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a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM INX 2020 T		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-078	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 16198221
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM INX 2045 T		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-083	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 16405776
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM INX 2005 T		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-075	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 215502
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM INX 2010 T		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-076	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 828486
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM INX 2015 T		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-077	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 7049862
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM INX 2050 T		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-084	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 12438958
a Name of MTIA, CCT, PSA, or 103-12 IE: PUTNAM STABLE VALUE		
b Name of sponsor of entity listed in (a): PUTNAM FIDUCIARY TRUST COMPANY		
c EIN-PN 04-3159710-202	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 5839981
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM INX 2035 T		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-081	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 42088448
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM INX 2065 T		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-169	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1073891
a Name of MTIA, CCT, PSA, or 103-12 IE: FID FRDM INX 2030 T		
b Name of sponsor of entity listed in (a): FIAM TRUST COMPANY		
c EIN-PN 20-4659714-080	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 46134559

Part II Information on Participating Plans (to be completed by DFEs, other than DCGs)

(Complete as many entries as needed to report all participating plans. DCGs must report each participating plan using Schedule DCG.)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2023
		This Form is Open to Public Inspection

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan MKS INSTRUMENTS, INC. PROFIT SHARING & 401(K) PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 MKS INSTRUMENTS, INC.		
D Employer Identification Number (EIN) 04-2277512		

Part I	Asset and Liability Statement
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1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a	0	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	0	0
(2) Participant contributions	1b(2)	0	0
(3) Other	1b(3)	0	0
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)	14505584	19609474
(2) U.S. Government securities	1c(2)	0	0
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	0	0
(B) All other	1c(3)(B)	0	0
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)	0	0
(B) Common	1c(4)(B)	0	0
(5) Partnership/joint venture interests	1c(5)	0	0
(6) Real estate (other than employer real property)	1c(6)	0	0
(7) Loans (other than to participants)	1c(7)	0	0
(8) Participant loans	1c(8)	4986911	5879848
(9) Value of interest in common/collective trusts	1c(9)	42935768	267116513
(10) Value of interest in pooled separate accounts	1c(10)	0	0
(11) Value of interest in master trust investment accounts	1c(11)	0	0
(12) Value of interest in 103-12 investment entities	1c(12)	0	0
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)	570706095	472312269
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)	0	0
(15) Other	1c(15)	0	0

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	0	0
(2) Employer real property	1d(2)	0	0
e Buildings and other property used in plan operation	1e	0	0
f Total assets (add all amounts in lines 1a through 1e)	1f	633134358	764918104
Liabilities			
g Benefit claims payable	1g	0	0
h Operating payables	1h	0	0
i Acquisition indebtedness	1i	0	0
j Other liabilities	1j	0	0
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	633134358	764918104

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	9167498	
(B) Participants	2a(1)(B)	31499936	
(C) Others (including rollovers)	2a(1)(C)	4898569	
(2) Noncash contributions	2a(2)	0	
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		45566003
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	836159	
(B) U.S. Government securities	2b(1)(B)	0	
(C) Corporate debt instruments	2b(1)(C)	0	
(D) Loans (other than to participants)	2b(1)(D)	0	
(E) Participant loans	2b(1)(E)	304597	
(F) Other	2b(1)(F)	0	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		1140756
(2) Dividends: (A) Preferred stock	2b(2)(A)	0	
(B) Common stock	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	10608994	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		10608994
(3) Rents	2b(3)		0
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	0	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	0	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	0	
(B) Other	2b(5)(B)	0	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		26337318
(7) Net investment gain (loss) from pooled separate accounts.....	2b(7)		0
(8) Net investment gain (loss) from master trust investment accounts.....	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		80070204
c Other income	2c		0
d Total income. Add all income amounts in column (b) and enter total	2d		163723275

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	72146572	
(2) To insurance carriers for the provision of benefits.....	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		72146572
f Corrective distributions (see instructions)	2f		1004
g Certain deemed distributions of participant loans (see instructions)	2g		51197
h Interest expense	2h		0
i Administrative expenses:			
(1) Salaries and allowances	2i(1)	0	
(2) Contract administrator fees.....	2i(2)	3000	
(3) Recordkeeping fees.....	2i(3)	261283	
(4) IQPA audit fees.....	2i(4)	21086	
(5) Investment advisory and investment management fees	2i(5)	156064	
(6) Bank or trust company trustee/custodial fees	2i(6)	0	
(7) Actuarial fees	2i(7)	0	
(8) Legal fees	2i(8)	8925	
(9) Valuation/appraisal fees	2i(9)	0	
(10) Other trustee fees and expenses	2i(10)	0	
(11) Other expenses	2i(11)	20000	
(12) Total administrative expenses. Add lines 2i(1) through (11)	2i(12)		470358
j Total expenses. Add all expense amounts in column (b) and enter total	2j		72669131

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		91054144
l Transfers of assets:			
(1) To this plan	2l(1)		40729602
(2) From this plan	2l(2)		0

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: **BDO USA, P.C.**

(2) EIN: **13-5381590**

d The opinion of an independent qualified public accountant is **not attached** as part of Schedule H because:

(1) ☐ This form is filed for a CCT, PSA, DCG or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l. DCGs do not complete lines 4e, 4f, 4k, 4l, and 5, and DCGs generally complete the rest of Part IV collectively for all plans in the DCG, except as otherwise provided (see instructions).

During the plan year:

	Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)		☒	
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)		☒	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)		☒	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)		☒	
e Was this plan covered by a fidelity bond?	☒		10000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		☒	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		☒	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		☒	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	☒		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)		☒	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		☒	
l Has the plan failed to provide any benefit when due under the plan?	☒		931
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		☒	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.		☒	

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2023 This Form is Open to Public Inspection.
For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan MKS INSTRUMENTS, INC. PROFIT SHARING & 401(K) PLAN		B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 MKS INSTRUMENTS, INC.		D Employer Identification Number (EIN) 04-2277512
Part I	Distributions	
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....		1
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 04-6568107		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year		3
Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)	
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☐ N/A		
If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____		
If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)		6a
b Enter the amount contributed by the employer to the plan for this plan year		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III	Amendments	
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box. ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.	
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?..... ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock? ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market? ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2023 v. 230707		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:		
a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment)	14a	
b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b	
c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c	
15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:		
a The corresponding number for the plan year immediately preceding the current plan year	15a	
b The corresponding number for the second preceding plan year	15b	
16 Information with respect to any employers who withdrew from the plan during the preceding plan year:		
a Enter the number of employers who withdrew during the preceding plan year	16a	
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	16b	
17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐		

Part VI	Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans
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18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐	
19 If the total number of participants is 1,000 or more, complete lines (a) and (b):	
a Enter the percentage of plan assets held as: Public Equity: _____% Private Equity: _____% Investment-Grade Debt and Interest Rate Hedging Assets: _____% High-Yield Debt: _____% Real Assets: _____% Cash or Cash Equivalents: _____% Other: _____%	
b Provide the average duration of the Investment-Grade Debt and Interest Rate Hedging Assets: ☐ 0-5 years ☐ 5-10 years ☐ 10-15 years ☐ 15 years or more	
20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.	
a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No	
b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box: ☐ Yes. ☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date. ☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date. ☐ No. Other. Provide explanation: _____	

Part VII	IRS Compliance Questions
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21a Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules? ☐ Yes ☒ No	
21b If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).	
☐ Design-based safe harbor method ☐ "Prior year" ADP test ☒ "Current year" ADP test ☐ N/A	
22 If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter <u>06 / 30 / 2020</u> (MM/DD/YYYY) and the Opinion Letter serial number <u>Q702438A</u> .	



MKS Instruments, Inc. Profit Sharing & 401(k) Plan

Financial Statements (and Supplemental Schedule)

**As of December 31, 2023 and 2022 and for the
Year Ended December 31, 2023**

MKS Instruments, Inc. Profit Sharing & 401(k) Plan

Financial Statements and (Supplemental Schedule)

As of December 31, 2023 and 2022 and for the Year Ended December 31, 2023

MKS Instruments, Inc. Profit Sharing & 401(k) Plan

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Independent Auditor's Report

To the Plan Administrator
MKS Instruments, Inc. Profit Sharing & 401(k) Plan
Andover, Massachusetts

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed audits of the financial statements of MKS Instruments, Inc. Profit Sharing & 401(k) Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 ("ERISA"), as permitted by ERISA Section 103(a)(3)(C). The financial statements comprise the statements of net assets available for benefits as of December 31, 2023 and 2022, the related statement of changes in net assets available for benefits for the year ended December 31, 2023, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's ("DOL") Rules and Regulations for Reporting and Disclosure under ERISA ("ERISA Section 103(a)(3)(C) audit"). As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the Plan ("investment information") by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency ("qualified institution"), provided that the investment information is prepared and certified to by the qualified institution in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

Management has obtained a certification from a qualified institution as of December 31, 2023 and 2022, and for the year ended December 31, 2023, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and the procedures performed as described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report

- the amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America ("GAAP"); and
- the certified investment information in the accompanying financial statements agrees to, or is derived from, in all material respects, the information prepared and certified by a qualified institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (“GAAS”). Our responsibilities under those standards are further described in the *Auditor’s Responsibilities for the Audit of the Financial Statements* section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with GAAP, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management’s election of the ERISA Section 103(a)(3)(C) audit does not affect management’s responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan’s ability to continue as a going concern within one year after the date that the financial statements are issued or available to be issued.

Management is responsible for maintaining a current plan instrument, including all plan amendments. Management is also responsible for administering the Plan and determining that the Plan’s transactions that are presented and disclosed in the financial statements are in conformity with the Plan’s provisions, including maintaining sufficient records with respect to each of the participants to determine the benefits due or which may become due to such participants.

Auditor’s Responsibilities for the Audit of the Financial Statements

Except as described in the *Scope and Nature of the ERISA Section 103(a)(3)(C) Audit* section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor’s report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of GAAP.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with GAAP.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter – Supplemental Schedule Required by ERISA

The supplemental schedule, Form 5500 - Schedule H, Part IV, Line 4(i) - Schedule of Assets (Held at End of Year) as of December 31, 2023, is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedule that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, other than the information agreed to or derived from the certified investment information, including its form and content, is presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion

- the form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to or is derived from the certified investment information, is presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.
- the certified investment information in the supplemental schedule agrees to, or is derived from, in all material respects, the information prepared and certified by a qualified institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

BDO USA, P.C.

October 3, 2024

Financial Statements

MKS Instruments, Inc. Profit Sharing & 401(k) Plan

Statements of Net Assets Available for Benefits

<i>December 31,</i>	2023	2022
Assets:		
Investments, at fair value:		
Mutual funds	\$ 472,312,269	\$ 570,706,095
Common/collective trusts	269,018,555	46,110,562
Money market fund	19,609,474	14,505,584
Total Investments	760,940,298	631,322,242
Receivables:		
Notes receivable from participants	5,879,848	4,986,911
Net Assets Available for Benefits	\$ 766,820,146	\$ 636,309,153

See accompanying notes to financial statements.

MKS Instruments, Inc. Profit Sharing & 401(k) Plan

Statement of Changes in Net Assets Available for Benefits

Year ended December 31, 2023

Additions:

Investment Income:

Net appreciation in fair value of investments	\$ 105,134,769
Interest and dividend Income	11,445,153

Total Investment Income 116,579,922

Interest Income on Notes Receivable from Participants 304,597

Contributions:

Participant	31,499,936
Employer	9,167,498
Rollover	4,898,569

Total Contributions 45,566,003

Total Additions 162,450,522

Deductions:

Benefits paid to participants	72,198,773
Administration fees	470,358

Total Deductions 72,669,131

Net Increase before Transfer 89,781,391

Transfer from Other Qualified Plan (Note 7) 40,729,602

Net Assets Available for Benefits:

Beginning of Year 636,309,153

End of Year \$ 766,820,146

See accompanying notes to financial statements.

MKS Instruments, Inc. Profit Sharing & 401(k) Plan

Notes to Financial Statements

1. Description of Plan

The following brief description of the MKS Instruments, Inc. Profit Sharing & 401(k) Plan (the “Plan”) is provided for general information purposes only. Participants should refer to the plan document for more complete information.

General

The Plan is a defined contribution plan covering all eligible employees of MKS Instruments, Inc. (the “Company”) who have completed one month of service. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”).

Contributions

Participants may elect to contribute from 1% up to 50% of their eligible compensation, as defined by the Plan. Participants who have attained the age of 50 before the end of the plan year are eligible to make catch-up contributions. Participants may also contribute amounts representing distributions from other qualified defined benefit or contribution plans. Each year, the Company may make a matching contribution, as voted by the Company’s Board of Directors. If matching contributions are approved, the Company will match 50% of eligible compensation that a participant contributes to the Plan, not to exceed 3% of total eligible compensation. The board approved matching contributions for 2023. An additional discretionary employer contribution amount may be contributed at the discretion of the Company’s Board of Directors. For the year ended December 31, 2023, no additional discretionary contributions were made. All contributions are subject to certain limitations under the Internal Revenue Code (“IRC”).

Participant Accounts

Each participant’s account is credited with the participant’s contribution and allocations of (a) the Company’s contribution, (b) plan earnings, and (c) plan expenses. Participants who choose to have loans are also charged fees to their individual accounts. The benefit to which a participant is entitled is the benefit that can be provided from the participant’s vested account.

Vesting

Participants are vested immediately in their contributions plus actual earnings thereon. If a participant becomes permanently disabled or dies while he or she is a current employee at the Company, the participant becomes immediately vested in the company contributed portion of his or her account balance. Otherwise, vesting in the Company’s contributed portion of participant accounts is based on years of continuous service. The participant’s interest in his or her account related to the Company’s contributions is vested fully after one year of service.

Notes Receivable from Participants

Participants may borrow from their fund accounts a minimum of \$1,000 up to a maximum of \$50,000 or 50% of their vested account balance, whichever is less. The Plan allows participants to have only one general purpose loan and/or one homeowner’s loan at any one time. The general purpose loans must be repaid within five years, and the homeowner’s loan must be repaid within 10 years. Loans are secured by the balance in the participant’s vested account and bear interest at a rate equal to the prime rate as of the date the loan is approved plus 1%. Interest rates ranged from 4.25% to

MKS Instruments, Inc. Profit Sharing & 401(k) Plan

Notes to Financial Statements

9.50%, which are commensurate with local prevailing rates as determined quarterly by the plan administrator. Principal and interest are paid ratably through payroll deductions.

Payment of Benefits

On termination of service due to a reason other than death, disability, or retirement, a participant may elect to receive either a lump-sum amount equal to the value of the participant's vested interest in his or her account, a partial payment of the participant's vested interest, or installment payments for up to 10 years or the maximum life expectancy, whichever is less. For termination of service due to death prior to severing employment, a participant's beneficiary will receive a lump-sum distribution unless he or she elects installment payments. For termination of service due to death after severing employment, the beneficiary will receive the vested account balance in a lump-sum distribution unless installment payments have previously begun. At that time, the beneficiary has the option to elect for a lump-sum distribution of the remaining vested balance to be distributed. In addition, a participant may elect to withdraw all or part of his or her account in the case of immediate and heavy financial need. Hardship withdrawals are subject to taxes. In-service withdrawals are also permitted for participants who have reached the age 59½.

Forfeitures

A participant who leaves the Company forfeits any non-vested balance. The Plan uses such forfeitures to reduce future employer contributions and profit-sharing contributions. At December 31, 2023 and 2022, there was a balance of \$66,934 and \$41,039, respectively, in the forfeitures account. During the year ended December 31, 2023, the Plan used forfeitures in the amount of \$108,355 to reduce employer matching contributions.

2. Summary of Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared using the accrual method of accounting.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and changes therein, and the disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Valuation of Investments and Income Recognition

The investments of the Plan are reported at fair value. The fair value is the amount that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 4 for discussion of fair value measurement.

Purchases and sales of the investments within the Plan are reflected on a trade-date basis. Dividend income is recorded on the ex-dividend date. Interest income is recorded on the accrual basis. Net appreciation and depreciation includes the Plan's gains and losses on investments bought and sold as well as held during the year.

MKS Instruments, Inc. Profit Sharing & 401(k) Plan

Notes to Financial Statements

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. If a participant ceases to make loan repayments and the plan administrator deems the participant loan to be in default, the participant loan balance is reduced and a benefit payment is recorded.

Payment of Benefits

Benefit payments to participants are recorded when paid.

Expenses

Certain expenses of maintaining the Plan are paid directly by the Company and are excluded from these financial statements. Fees related to the administration of notes receivable from participants are charged directly to the participant's account and are included in administrative expenses. Investment related expenses are included in net appreciation or depreciation in fair value of investments.

Subsequent Events

The Plan has evaluated subsequent events through October 3, 2024, which is the date the financial statements were available to be issued.

3. Certified Investments

The plan administrator has elected the method of compliance permitted by Section 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, Fidelity Management Trust Company ("FMTTC"), a qualified institution, has certified as to the completeness and accuracy of all the investments and notes receivable from participants reflected on the accompanying statements of net assets available for benefits as of December 31, 2023 and 2022; the supplemental schedule, Form 5500 - Schedule H, Part IV, Line 4(i)- Schedule of Assets (Held at End of Year) as of December 31, 2023; and the related investment activity and interest income on notes receivable from participants reflected on the statement of changes in net assets available for benefits for the year ended December 31, 2023. The Plan's independent auditors did not perform auditing procedures with respect to this information, except for comparing such information to the related information included in the financial statements and supplemental schedule.

4. Fair Value Measurements

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (level 1 measurements) and the lowest priority to unobservable inputs (level 3 measurements). The three levels of the fair value hierarchy under Financial Accounting Standards Board Accounting Standards Codification 820 are described as follows:

MKS Instruments, Inc. Profit Sharing & 401(k) Plan

Notes to Financial Statements

Level 1	Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.
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Level 2	Inputs to the valuation methodology include: • quoted prices for similar assets or liabilities in active markets; • quoted prices for identical or similar assets or liabilities in inactive markets; • inputs other than quoted prices that are observable for the asset or liability; • inputs that are derived principally from or corroborated by observable market data by correlation or other means.
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If the asset or liability has a specified (contractual) term, the level 2 input must be observable for substantially the full term of the asset or liability.

Level 3	Inputs to the valuation methodology are unobservable and significant to the fair value measurement.
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The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

The following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2023 and 2022. The valuation methods described below may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes that its valuation methods are appropriate and consistent with those of other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

Mutual funds are valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end funds that are registered with the Securities and Exchange Commission. These funds are required to publish their daily net asset value ("NAV") and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

Shares of the money market fund are valued at daily quoted market prices that represent the NAV of shares held by the Plan at year end.

The Plan holds investments in collective trusts. Common/collective trusts ("CCT") are valued at the NAV of units held. The NAV, as provided by the trustee of the CCTs, is used as a practical expedient to estimate fair value. The NAV is based on the fair value of the underlying investments held by the CCT less its liabilities. This practical expedient is not used when it is determined to be probable that the CCTs will sell for an amount different than the reported NAV. The CCTs provide for daily redemptions by the Plan at reported NAV with no advance notice. There are no unfunded commitments related to these investments. These are direct filing entities.

MKS Instruments, Inc. Profit Sharing & 401(k) Plan

Notes to Financial Statements

The following tables set forth by level within the fair value hierarchy the plan investment assets at fair value as of December 31, 2023 and 2022.

<i>December 31, 2023</i>	Active Markets for Identical Assets (Level 1)	Total
Money market fund	\$ 19,609,474	\$ 19,609,474
Mutual funds	472,312,269	472,312,269
Common collective trusts at NAV*	-	269,018,555
Total Investments	\$ 491,921,743	\$ 760,940,298

<i>December 31, 2022</i>	Active Markets for Identical Assets (Level 1)	Total
Money market fund	\$ 14,505,584	\$ 14,505,584
Mutual funds	570,706,095	570,706,095
Common collective trusts at NAV*	-	46,110,562
Total Investments	\$ 585,211,679	\$ 631,322,242

*Certain investments that are measured at fair value using the NAV per share (or its equivalent) practical expedient have not been categorized in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the statements of net assets available for benefits.

5. Party-in-Interest Transactions

Certain plan investments are shares of mutual funds, a money market fund, and CCTs managed by FMTC. FMTC is the trustee as defined by the Plan, and therefore, these transactions qualify as party-in-interest transactions. Fees incurred by the Plan for the investment management services are included in net appreciation in fair value of the investment, as they are paid through revenue sharing, rather than a direct payment. Any revenue sharing in excess of fees for management services are held in the Plan's suspense account and used to offset future fees. During 2023, the Plan paid \$537,214 of operating expenses to FMTC. The Plan recorded \$66,855 from revenue sharing arrangements with FMTC, and these amounts are netted within administrative expenses for the year ended December 31, 2023. Notes receivable from participants also qualify as party-in-interest transactions.

6. Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of plan termination, participants would become 100% vested in their employer contributors.

MKS Instruments, Inc. Profit Sharing & 401(k) Plan

Notes to Financial Statements

7. Transfer From Other Qualified Plan

Effective December 31, 2023, the Plan merged and transferred assets from a related-party plan sponsored by Atotech USA, LLC. The amount transferred into MKS Instruments, Inc. Profit Sharing & 401(k) Plan was \$40,729,602, which included participant loans of \$233,230. The funds were transferred in on December 29, 2023.

8. Tax Status

The plan sponsor adopted FMTC's pre-approved plan, and the Internal Revenue Service issued an opinion letter, dated June 30, 2020, stating that the pre-approved plan was designed in accordance with applicable sections of the IRC. Although the Plan has been amended since the date of the letter, the plan administrator believes that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC and that the Plan continues to be tax-exempt. Therefore, no provision for income taxes has been recorded.

Accounting principles generally accepted in the United States of America require plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the Internal Revenue Service. The plan administrator has analyzed the tax positions taken by the Plan and has concluded that as of December 31, 2023, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

9. Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks, such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near-term and that such changes could materially affect participants' account balances and the amounts reported on the statements of net assets available for benefits.

10. Reconciliation of Financial Statements to the Form 5500

The following is a reconciliation of the net assets available for benefits per the financial statements to Form 5500:

<i>December 31,</i>	2023	2022
Net assets available for benefits per the financial statements	\$ 766,820,146	\$ 636,309,153
Adjustment from fair value to current value for a fully benefit-responsive investment contract in a common collective trust	(1,902,042)	(3,174,795)
Net Assets Available for Benefits Per the Form 5500	\$ 764,918,104	\$ 633,134,358

MKS Instruments, Inc. Profit Sharing & 401(k) Plan

Notes to Financial Statements

The following is a reconciliation of the increase in net assets per the financial statements to the Form 5500:

Year ended December 31, 2023

Increase in net assets per financial statements	\$ 89,781,391
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Change in adjustment from fair value to current value for a fully benefit-responsive investment contract in a common/collective trust	1,272,753
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Net Income Per the Form 5500	\$ 91,054,144
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Supplemental Schedule

MKS Instruments, Inc. Profit Sharing & 401(k) Plan

Form 5500 - Schedule H, Part IV, Line 4(i)- Schedule of Assets (Held at End of Year)

EIN: 04-2277512

Plan Number: 001

December 31, 2023

(a)	(b) Identity of Issue, Borrower, Lessor or Similar Party	(c) Description of Investment Including Maturity Dates, Rate of Interest, Collateral, Par, or Maturity Value	(d) Cost	(e) Current Value
	* Fidelity Management Trust Company	MF - Fidelity 500 Index	a	\$ 104,760,776
	* Fidelity Management Trust Company	MF - Fidelity Contrafund -Class K	a	82,996,352
	* Fidelity Management Trust Company	MF - Fidelity Extended Market Index	a	54,749,767
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2030 T	a	46,134,559
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2035 T	a	42,088,448
	J.P. Morgan	MF - J.P. Morgan Large Cap Growth R6	a	39,559,630
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2025 T	a	38,575,066
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2040 T	a	34,126,266
	* Fidelity Management Trust Company	CCT - Managed Income Portfolio Class 2	a	32,036,585
	MFS	MF - MFS Value R6	a	27,642,925
	* Fidelity Management Trust Company	MF - Fidelity US Bond Index Institutional	a	27,537,454
	* Fidelity Management Trust Company	MF - Fidelity Low Priced ST K6	a	27,020,588
	* Fidelity Management Trust Company	MF - Fidelity Diversified International	a	20,181,989
	* Fidelity Management Trust Company	MF - Fidelity Global Ex US Index	a	19,906,893
	* Fidelity Management Trust Company	MM - FIMM Treasury Only Portfolio - Cl I	a	19,609,474
	* Fidelity Management Trust Company	MF - Fidelity Balanced	a	18,466,584
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2045 T	a	16,405,776
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2020 T	a	16,198,221
	* Fidelity Management Trust Company	MF - Fidelity Total Bond K6	a	14,264,992
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2050 T	a	12,438,958
	T. Rowe Price	MF - T. Rowe Price New Horizons	a	10,978,088
	Invesco	MF - Invesco Discovery R6	a	10,617,693
	American Beacon	MF - American Beacon Small Cap Value R6	a	9,603,620
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2055 T	a	8,585,280
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2015 T	a	7,049,862
	Putnam Investments	CCT - Putnam Stable Value	a	5,839,981
	PIMCO	MF - PIMCO Real Return Instl	a	4,024,065
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2060 T	a	3,045,049
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index Income T	a	2,474,583
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2065 T	a	1,073,891
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2010 T	a	828,486
	* Fidelity Management Trust Company	CCT - Fidelity Freedom Index 2005 T	a	215,502
	* Fidelity Management Trust Company	MF - Fidelity International Index Premium	a	416
	BNY Mellon	MF - Touchstone Large Cap Focused Y	a	175
	Vanguard	MF - Vanguard Small Value Index INV	a	84
	* Fidelity Management Trust Company	MF - Fidelity Mid Cap Stock	a	58
	Vanguard	MF - Vanguard Growth Index ADM	a	44
	Vanguard	MF - Vanguard Value Index ADM	a	28
	Pioneer Investments	MF - Pioneer Strategic Income K	a	28
	Vanguard	MF - Small Cap Index INST	a	20
Total Investments				759,038,256
	* Participant Loans	Interest rates ranging from 4.25% to 9.50%	-	5,879,848
Total Assets Held				\$ 764,918,104

* - Party-in-interest as defined by ERISA

a - Cost information is not required for participant directed investments

MF stands for mutual fund / CCT stands for common/collective trust / MM stands for money market fund

SUMMARY OF NET TRUST ASSETS

Total Plan Assets as of 12/31/2023

<u>Fund Name</u>	<u>Share Balance 12/31/2023</u>	<u>Historical Cost</u>	<u>Price</u>	<u>Total Market Value</u>
PUTNAM STABLE VALUE	5,839,981.260	\$5,839,981.26	\$1.00	\$5,839,981.26
TRP STABLE VALUE N	0.000		\$1.00	\$0.00
VANG VAL INDEX INST	0.488	\$27.15	\$58.29	\$28.45
JPM MID CAP VALUE R6	0.000		\$35.91	\$0.00
VANG SM VAL IDX INST	1.954	\$78.69	\$43.23	\$84.47
PIM REAL RETURN INST	401,202.866	\$4,470,275.10	\$10.03	\$4,024,064.75
VANG SM CAP IDX INST	0.199	\$18.84	\$102.19	\$20.34
VANG GRTH INDEX INST	0.274	\$41.84	\$160.00	\$43.84
VANG SM GR IDX INST	0.000		\$68.06	\$0.00
PIONEER STRAT INC K	2.961	\$27.07	\$9.49	\$28.10
MFS VALUE R6	585,283.191	\$24,804,034.47	\$47.23	\$27,642,925.11
INVS DISCOVERY R6	99,064.130	\$8,945,632.20	\$107.18	\$10,617,693.45
WA CORE BOND IS	0.000		\$10.80	\$0.00
TRP NEW HORIZONS I	194,164.973	\$14,632,363.23	\$56.54	\$10,978,087.57
ABF SM CAP VALUE R6	385,378.026	\$8,502,767.37	\$24.92	\$9,603,620.41
TCHSTN LG CAP FOC I	2.959	\$170.37	\$59.27	\$175.38
JPM LG CAP GROWTH R6	626,736.840	\$34,810,954.82	\$63.12	\$39,559,629.34
FID INTM GOVT INCOME	0.000		\$9.73	\$0.00
FIMM TREAS ONLY CL I	19,609,474.060	\$19,609,474.06	\$1.00	\$19,609,474.06
MIP II CL 2	33,938,627.510	\$33,938,627.51	\$1.00	\$33,938,627.51
FID US BOND IDX	2,640,216.088	\$29,296,558.36	\$10.43	\$27,537,453.80
FID 500 INDEX	633,033.875	\$77,774,888.70	\$165.49	\$104,760,775.97
FID GLB EX US IDX	1,413,841.793	\$18,100,431.94	\$14.08	\$19,906,892.45
FID INTL INDEX	8.778	\$401.85	\$47.35	\$415.64
FID EXTD MKT IDX	701,380.563	\$45,592,958.14	\$78.06	\$54,749,766.75
FID FDM IDX INC IPR	0.000		\$11.50	\$0.00
FID FDM IDX 2005 IPR	0.000		\$12.59	\$0.00
FID FDM IDX 2010 IPR	0.000		\$12.74	\$0.00
FID FDM IDX 2015 IPR	0.000		\$14.05	\$0.00
FID FDM IDX 2020 IPR	0.000		\$15.51	\$0.00
FID FDM IDX 2025 IPR	0.000		\$17.70	\$0.00
FID FDM IDX 2030 IPR	0.000		\$18.91	\$0.00
FID FDM IDX 2035 IPR	0.000		\$21.50	\$0.00
FID FDM IDX 2040 IPR	0.000		\$22.20	\$0.00
FID FDM IDX 2045 IPR	0.000		\$23.16	\$0.00
FID FDM IDX 2050 IPR	0.000		\$23.20	\$0.00
FID FDM IDX 2055 IPR	0.000		\$19.09	\$0.00

SUMMARY OF NET TRUST ASSETS

Total Plan Assets as of 12/31/2023

<u>Fund Name</u>	<u>Share Balance 12/31/2023</u>	<u>Historical Cost</u>	<u>Price</u>	<u>Total Market Value</u>
FID FDM IDX 2060 IPR	0.000		\$16.17	\$0.00
FID TOTAL BOND K6	1,601,009.187	\$13,396,038.23	\$8.91	\$14,264,991.86
FID CONTRAFUND K6	3,600,709.427	\$74,802,095.91	\$23.05	\$82,996,352.29
FID DIVERSFD INTL K6	1,487,250.439	\$20,524,754.80	\$13.57	\$20,181,988.46
FID LOW-PRICED ST K6	1,795,387.914	\$25,884,042.62	\$15.05	\$27,020,588.11
FID FDM IDX 2065 IPR	0.000		\$13.07	\$0.00
FID FRDM INX 2065 T	74,992.364	\$956,043.10	\$14.32	\$1,073,890.65
FID BALANCED K6	1,305,981.921	\$18,314,525.50	\$14.14	\$18,466,584.36
FID MID CAP STOCK K6	3.954	\$54.59	\$14.63	\$57.85
FID FRDM INX INC T	152,940.860	\$2,297,898.53	\$16.18	\$2,474,583.11
FID FRDM INX 2005 T	12,202.830	\$200,104.03	\$17.66	\$215,501.98
FID FRDM INX 2010 T	42,119.281	\$761,911.46	\$19.67	\$828,486.26
FID FRDM INX 2015 T	340,737.671	\$6,408,138.44	\$20.69	\$7,049,862.41
FID FRDM INX 2020 T	765,511.376	\$14,683,718.76	\$21.16	\$16,198,220.72
FID FRDM INX 2025 T	1,682,296.805	\$34,640,829.76	\$22.93	\$38,575,065.74
FID FRDM INX 2030 T	1,950,721.303	\$41,589,039.37	\$23.65	\$46,134,558.82
FID FRDM INX 2035 T	1,601,539.114	\$37,318,592.04	\$26.28	\$42,088,447.92
FID FRDM INX 2040 T	1,256,027.453	\$30,575,887.69	\$27.17	\$34,126,265.90
FID FRDM INX 2045 T	597,007.853	\$14,421,749.82	\$27.48	\$16,405,775.80
FID FRDM INX 2050 T	455,973.524	\$11,186,637.89	\$27.28	\$12,438,957.73
FID FRDM INX 2055 T	306,726.683	\$7,555,483.32	\$27.99	\$8,585,279.86
FID FRDM INX 2060 T	153,480.287	\$2,691,289.60	\$19.84	\$3,045,048.89
OUTSTANDING LOAN BALANCE				\$5,879,848.32

			NET ASSETS 12/31/2023:	\$766,820,145.69
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Assets are presented at fair value with the exception to fully benefit responsive investment contracts which are presented at contract value as in previous years. See Chapter 7 of the Fidelity Auditor's Guide for financial statement presentation and disclosure information.