FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

|--|

OMB APPROVAL							
OMB Number:	3235-0287						
Estimated average burder	n						
hours per response:	0.5						

	Check this box if no longer subject to
١	Section 16. Form 4 or Form 5
J	obligations may continue. See
	Instruction 1(h)

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* Gitin Mark Milton					2. Issuer Name and Ticker or Trading Symbol MKS INSTRUMENTS INC [MKSI]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner				
(Last) (First) (Middle) C/O MKS INSTRUMENTS, INC.					3. Date of Earliest Transaction (Month/Day/Year) 02/05/2024							Officer (g below)	give title EVP & GI	below	(specify)	
2 TECH DRIVE, SUITE 201					4. If Amendment, Date of Original Filed (Month/Day/Year)						Line)	1 -7				
(Street)	ER M	ſA	01810								X		•	eporting Person		
(City)	(5	State)	(Zip)	F 	Rule 10b5-1(c) Transaction Indication Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.											
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned															
Date					2A. Deemed Execution Date if any (Month/Day/Year)		e, Transaction Disposed Code (Instr.		urities Acquired (A) or ed Of (D) (Instr. 3, 4 and		5. Amount Securities Beneficiall Owned Fol	y (C	Ownership orm: Direct O) or Indirect) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		
							Code V	' Amount	(A) (D)	or Price	Reported Transactio (Instr. 3 an			(Instr. 4)		
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)															
Derivative Conversion Date		3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	Code (saction de (Instr. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		(A) ed of	6. Date Exer Expiration D (Month/Day/	ate	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported	Ownersh Form: Direct (D or Indire (I) (Instr.	Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transactior (Instr. 4)	1(5)		
Restricted Stock Unit	(1)	02/05/2024		A		5,965.699		(2)	(2)	Common Stock	5,965.699	(1)	15,047.15	54 D		

Explanation of Responses:

- 1. Each restricted stock unit (RSU) represents the contingent right to receive one share of common stock of MKS Instruments, Inc.
- 2. These RSUs were subject to performance criteria, the achievement of which was determined on February 5, 2024, and thereafter vest in three equal annual installments beginning on February 15, 2024, provided that if, in any vesting year, February 15th is not a business day, such vesting shall occur on the next business day.

/s/ M. Kathryn Rickards,

attorney-in-fact

02/06/2024

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.