FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL	

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

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

	nd Address of Reporting Person* HAW SETH H		2. Issuer Name and Ticker or Trading Symbol MKS INSTRUMENTS INC [MKSI]		ionship of Reporting Person all applicable) Director	10% Owner
(Last) 2 TECH DRIV	(First) E, SUITE 201	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 02/15/2017	X	Officer (give title below) Vice President, CFO	Other (specify below) , Treasurer
(Street) ANDOVER (City)	MA (State)	01810 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indivi	dual or Joint/Group Filing (C Form filed by One Report Form filed by More than C	ing Person
		Tahle I - Non-Deri	vative Securities Acquired Disposed of or Renefici	ally Ov	vned	

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1. Title or Security (instr. 3)	Date (Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transa Code (1 8)					Form: Direct (D) or Indirect (I) (Instr. 4)	Indirect Beneficial Ownership (Instr. 4)	
			Code	v	Amount	(A) or (D)	Price	(Instr. 3 and 4)		(msu. 4)
Common Stock	02/15/2017		M		5,234	A	(1)	32,052.593	D	
Common Stock	02/15/2017		M		3,783	A	(1)	35,835.593	D	
Common Stock	02/15/2017		M		6,913	A	(1)	42,748.593	D	
Common Stock	02/15/2017		M		4,515	A	(1)	47,263.593	D	
Common Stock	02/15/2017		F ⁽²⁾		9,018	D	\$67.7	38,245.593	D	

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, ontions, convertible securities)

	(e.g., puts, cans, warrants, options, convertible securities)														
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code (8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		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	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Reported Transaction(s) (Instr. 4)			
Restricted Stock Unit	(1)	02/15/2017		A		13,293.944		(3)	(3)	Common Stock	13,293.944	(1)	50,432.381	D	
Restricted Stock Unit	(1)	02/15/2017		A		8,862.629		(4)	(4)	Common Stock	8,862.629	(1)	29,974.204	D	
Restricted Stock Unit	(1)	02/15/2017		М			5,234	(5)	(5)	Common Stock	5,234	(1)	45,198.381	D	
Restricted Stock Unit	(1)	02/15/2017		М			3,783	(6)	(6)	Common Stock	3,783	(1)	26,191.204	D	
Restricted Stock Unit	(1)	02/15/2017		М			6,913	(7)	(7)	Common Stock	6,913	(1)	38,285.381	D	
Restricted Stock Unit	(1)	02/15/2017		М			4,515	(8)	(8)	Common Stock	4,515	(1)	21,676.204	D	

Explanation of Responses:

- 1. Each restricted stock unit represents the contingent right to receive one share of common stock of MKS Instruments, Inc.
- 2. This transaction was effected pursuant to a Rule 10b5-1 trading plan previously adopted by the reporting person.
- 3. These RSUs are subject to the achievement of performance criteria determined in the first year of grant and thereafter vest in three equal annual installments beginning on February 15, 2018, provided that if, in any vesting year, February 15th is not a business day, such vesting shall occur on the next business day.
- 4. These RSUs vest in three equal annual installments commencing on February 15, 2018, provided that if, in any vesting year, February 15th is not a business day, such vesting shall occur on the next business day.
- 5. These RSUs are subject to the achievement of performance criteria determined in the first year of grant and thereafter vest in three equal annual installments beginning on February 15, 2016, provided that if, in any vesting year, February 15th is not a business day, such vesting shall occur on the next business day.
- 6. These RSUs vest in three equal annual installments commencing on February 15, 2016, provided that if, in any vesting year, February 15th is not a business day, such vesting shall occur on the next business day.
- 7. These RSUs are subject to the achievement of performance criteria determined in the first year of grant and thereafter vest in three equal annual installments beginning on February 15, 2017, provided that if, in any vesting year, February 15th is not a business day, such vesting shall occur on the next business day.
- 8. These RSUs vest in three equal annual installments commencing on February 15, 2017, 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, 02/16/2017 attorney-in-fact

** 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.

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