MKS INSTRUMENTS INC

Form 4

February 17, 2017

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB Number:

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

3235-0287 January 31, Expires: 2005

OMB APPROVAL

Form 4 or Form 5 obligations

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

Estimated average burden hours per 0.5 response...

may continue. See Instruction

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Werth Dennis L			2. Issuer Name and Ticker or Trading Symbol MKS INSTRUMENTS INC [MKSI]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
2 TECH DRIV	E, SUITE 2	01	(Month/Day/Year) 02/15/2017	Director 10% Owner _X_ Officer (give title Other (specify below) Sr. VP, Business Units		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
ANDOVER, MA 01810				Form filed by More than One Reporting Person		

(City)	(State) (2	Zip) Table	e I - Non-D	erivative	Secur	ities Acc	quired, Disposed	of, or Beneficial	lly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired n(A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Common Stock	02/15/2017		M	2,013	A	(1)	2,013	D	
Common Stock	02/15/2017		M	2,033	A	<u>(1)</u>	4,046	D	
Common Stock	02/15/2017		M	2,705	A	<u>(1)</u>	6,751	D	
Common Stock	02/15/2017		M	732	A	<u>(1)</u>	7,483	D	
Common Stock	02/15/2017		F(2)	2,878	D	\$ 67.7	4,605	D	

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

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, 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. 5. Number of TransactionDerivative Securities Code Acquired (A) or (Instr. 8) Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount Underlying Securitie (Instr. 3 and 4)		
	·			Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amou Numb Shares
Restricted Stock Unit	<u>(1)</u>	02/15/2017		A	7,754.801	(D)	(3)	(3)	Common Stock	7,75
Restricted Stock Unit	<u>(1)</u>	02/15/2017		A	5,169.867		<u>(4)</u>	<u>(4)</u>	Common Stock	5,16
Restricted Stock Unit	<u>(1)</u>	02/15/2017		A	427		<u>(4)</u>	<u>(4)</u>	Common Stock	4:
Restricted Stock Unit	<u>(1)</u>	02/15/2017		M		2,013	<u>(5)</u>	<u>(5)</u>	Common Stock	2,0
Restricted Stock Unit	(1)	02/15/2017		M		2,033	<u>(6)</u>	<u>(6)</u>	Common Stock	2,0
Restricted Stock Unit	<u>(1)</u>	02/15/2017		M		2,705	<u>(7)</u>	<u>(7)</u>	Common Stock	2,7
Restricted Stock Unit	<u>(1)</u>	02/15/2017		M		732	<u>(7)</u>	<u>(7)</u>	Common Stock	7:

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Werth Dennis L 2 TECH DRIVE SUITE 201			Sr. VP, Business Units			
ANDOVER, MA 01810						

Signatures

/s/ M. Kathryn Rickards, attorney-in-fact	02/17/2017
**Signature of Reporting Person	Date

Reporting Owners 2

Explanation of Responses:

- * 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).
- (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.
- 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.
- 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.
- These RSUs are subject to the achievement of performance criteria determined in the first year of grant and thereafter vest in three equal (5) 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.
- (6) 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.
 - These RSUs vest in three annual installments as follows: 20% of the RSUs vests on February 15, 2017, 30% of the RSUs vests on
- (7) February 15, 2018 and the remaining 50% of the RSUs vests on February 15, 2019, provided that if, in any vesting year, February 15th is not a business day, such vesting shall occur on the next business day.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.