

COLELLA GERARD G  
Form 4  
July 31, 2008

**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 OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
COLELLA GERARD G

(Last) (First) (Middle)

2 TECH DRIVE

(Street)

ANDOVER, MA 01810

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

MKS INSTRUMENTS INC [MKSI]

3. Date of Earliest Transaction (Month/Day/Year)

07/30/2008

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
\_X\_ Officer (give title below) \_\_\_\_\_ Other (specify below)

Chief Business Officer and VP

6. Individual or Joint/Group Filing(Check Applicable Line)

\_X\_ Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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 (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	07/30/2008		M	2,188	A \$ 14.72	16,212	D
Common Stock	07/30/2008		S	2,188	D \$ 21.07	14,024	D

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

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SEC 1474 (9-02)

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**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. Transaction Code (Instr. 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 Underlying Securities (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount Number of Shares
Stock Option (Right to Buy)	\$ 14.72	07/30/2008		M	2,188	07/30/2005 <sup>(1)</sup>	07/30/2014	Common Stock	2,188
Stock Option (Right to Buy)	\$ 18.12					05/29/2004 <sup>(1)</sup>	05/29/2013	Common Stock	375
Stock Option (Right to Buy)	\$ 27.11					11/11/2004 <sup>(1)</sup>	11/13/2013	Common Stock	28,000
Stock Option (Right to Buy)	\$ 17.25					03/21/2002 <sup>(1)</sup>	03/21/2011	Common Stock	30,000
Stock Option (Right to Buy)	\$ 29.93					01/05/2005 <sup>(2)</sup>	01/06/2014	Common Stock	7,000
Stock Option (Right to Buy)	\$ 26.86					12/03/2003	12/03/2013	Common Stock	250
Stock Option (Right to Buy)	\$ 20.02					10/15/2002 <sup>(3)</sup>	10/15/2011	Common Stock	823
Stock Option (Right to Buy)	\$ 32					01/04/2001 <sup>(1)</sup>	01/04/2010	Common Stock	11,000
	\$ 18.44					06/24/2003 <sup>(2)</sup>	06/24/2012		436

Stock Option (Right to Buy)					Common Stock	
Stock Option (Right to Buy)	\$ 23.5	01/30/2003 <sup>(1)</sup>	01/30/2012		Common Stock	30,000
Stock Option (Right to Buy)	\$ 24.5	11/14/2001	11/14/2011		Common Stock	125,000
Restricted Stock Unit	(4)	(3)	(3)		Common Stock	29,900

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
COLELLA GERARD G 2 TECH DRIVE ANDOVER, MA 01810			Chief Business Officer and VP	

## Signatures

/s/ Joseph M. Tocci  
/ POA

07/31/2008

\*\*Signature of Reporting Person

Date

## 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) 25% after first year, 6.25% each quarter thereafter - total 4 years.
- (2) Vests 100% one year after grant
- (3) Vests as follows: 33 1/3 after the first year and each successive 12 month period thereafter.
- (4) Each restricted stock unit represents the contingent right to receive one share of common stock of MKS Instruments, Inc.

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.