## SEC Form 5

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

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL

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).
$\Box$	Form 3 Holdings Reported.
X	Form 4 Transactions Reported.

FORM 5

**OWNERSHIP** Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

1. Name and Add	1 0	Person*	2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>MKS INSTRUMENTS INC</u> [ MKSI ]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
<u>Eyerman Pa</u>	<u>aul</u>			Director 10% Owner				
(Last)	(First)	(Middle)	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)	X Officer (give title Other (specify below) below)				
(Last) (First) (Middle) C/O 2 TECH DRIVE, SUITE 201			12/31/2010	VP & GM, ENI and Medical				
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)				
ANDOVER	MA	01810		X Form filed by One Reporting Person				
(City)	(State)	(Zip)	—	Form filed by More than One Reporting Person				
		Table I - Non-D	erivative Securities Acquired, Disposed of, or Benef	eficially Owned				

## 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.	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned at end of	6. Ownership Form: Direct	7. Nature of Indirect Beneficial Ownership	
		(Month/Day/Year)	8)	Amount	(A) or (D)	Price	Issuer's Fiscal Year (Instr. 3 and 4)	(D) or Indirect (I) (Instr. 4)	(Instr. 4)	
Common Stock	08/30/2010		M4	2,647	A	<b>\$0</b> <sup>(1)</sup>	2,234	D		
Common Stock	08/30/2010		F4 <sup>(2)</sup>	961	D	\$17.5	2,234	D		
Common Stock	11/30/2010		A4 <sup>(3)</sup>	448	A	\$16.19	2,234	D		

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)	of Deri Sec Acq (A) o Disp of (I (Ins	of Expiration Date A Derivative (Month/Day/Year) S Securities L Acquired L		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 Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Restricted Stock Unit	(1)	08/30/2010		4M		2,647	(4)	(4)	Common Stock	2,647	(1)	0	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 shares were acquired under the MKS employee stock purchase plan.

4. The RSUs vest in one year from the August 28, 2009 grant date.

/s/Renee M. Donlan POA

01/06/2011 Date

\*\* Signature of Reporting Person

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.