

SMITH JOHN ALEXANDER  
 Form 4  
 December 19, 2006

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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 \*  
 SMITH JOHN ALEXANDER

2. Issuer Name and Ticker or Trading Symbol

MKS INSTRUMENTS INC [MKSI]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

V.P. & Chief Tech Officer

(Last) (First) (Middle)

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

12/18/2006

90 INDUSTRIAL WAY

(Street)

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

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

Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

WILMINGTON, MA 01887

(City) (State) (Zip)

**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)		
			Code	V	Amount				
Common	12/18/2006		M <sup>(1)</sup>		470	A	\$ 12.97	12,528	D
Common	12/18/2006		S <sup>(1)</sup>		470	D	\$ 22.91	12,058	D
Common	12/18/2006		M <sup>(1)</sup>		4,375	A	\$ 14.72	16,433	D
Common	12/18/2006		S <sup>(1)</sup>		4,375	D	\$ 22.91	12,058	D

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



Edgar Filing: SMITH JOHN ALEXANDER - Form 4

(2) Stock Option Grants include multiple vest dates.

(3) Expires 10 years after date of grant

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.