FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

wasnington,	D.C.	20549	

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

## OMB APPROVAL OMB Number: 3235-0287 Estimated average burden hours per response:

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*  BAGSHAW SETH H						2. Issuer Name and Ticker or Trading Symbol  MKS INSTRUMENTS INC [ MKSI ]									k all appli Directo	ficer (give title		10% Ov Other (s	vner	
l	,	MENTS, INC.	(Middle)		12/0	3. Date of Earliest Transaction (Month/Day/Year) 12/03/2021								Sr. VP, CFO & Treasurer						
(Street) ANDOV	ER M	IΑ	01810		_   4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indi ₋ine) X	-/					
(City)	(S		(Zip)		<u> </u>															
1. Title of Security (Instr. 3)  2. Transpose				2. Transa	ction	tion 2A. Deemed Execution Date,			quired, Disposed of, or Bound of the securities Acquired Transaction Code (Instr. 4. Securities Acquired Disposed Of (D) (Instruction Code (Instr. 1. Securities Acquired Code			ed (A) or		5. Amount of Securities Beneficially		Form: Direct		7. Nature of Indirect Beneficial		
			(			(Month/Day/Year)			v	Amount	(A) or Prio		!	Owned Following Reported Transaction(s) (Instr. 3 and 4)		(I) (Instr. 4)		Ownership (Instr. 4)		
Common	Common Stock		12/03/	/2021	2021					325 A		(1	l)	22,3	17.122		D			
Common Stock			12/03/	2021				М		194	A		l)	22,511.122		D				
Common Stock 12/03			12/03/	/2021	2021			F <sup>(2)</sup>		519 D \$1		\$15	6.09	.09 21,992.122		D				
		Т	able II -								osed of converti				wned					
1. Title of Derivative Security (Instr. 3)	Conversion Date Execution Date, To Conversion (Month/Day/Year) if any			ransaction of ode (Instr. Derivative		vative irities ired r osed )	6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		De Se (Ir	Price of erivative ecurity nstr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)			
					Code	v	(A)		Date Exercisal		Expiration Date	Title	Amour or Number of Shares	er						
Restricted Stock Unit	(1)	12/03/2021			M			325	(3)		(3)	Common Stock	325		(1)	26,744.6	43	D		
Restricted Stock Unit	(1)	12/03/2021			М			194	(4)		(4)	Common Stock	194		(1)	26,550.6	43	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. Shares used to satisfy FICA taxes.
- 3. Portion of 2020 RSU Award accelerated to satisfy FICA taxes.
- 4. Portion of 2021 RSU Award accelerated to satisfy FICA taxes.

/s/ M. Kathryn Rickards, 12/06/2021 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.

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.