THERMO FISHER SCIENTIFIC INC.

Form 4

February 26, 2016

FORM 4

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

OMB 3235-0287 Number:

Expires:

OMB APPROVAL

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, 2005 Estimated average

0.5

Form 4 or Form 5 obligations may continue.

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

burden hours per response...

See Instruction

30(h) of the Investment Company Act of 1940

1(b).

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * CASPER MARC N			2. Issuer Name and Ticker or Trading Symbol THERMO FISHER SCIENTIFIC INC. [TMO]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
(Last) (First) (Middle) 81 WYMAN STREET			3. Date of Earliest Transaction (Month/Day/Year) 02/24/2016	X Director 10% Owner Step Officer (give title Other (specify below)
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line)
WALTHAM,	MA 02451			_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person

(City)	(State)	(Zip) Tal	ole I - Non-	Derivative	uired, 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)	Code (Instr. 8)	4. Securit or Dispos (Instr. 3, 4	ed of (4 and 5 (A) or	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 Indirect Beneficial Ownership (Instr. 4)
Common Stock	02/24/2016		Code V A	Amount 38,281 (1)	(D)	Price \$ 0	385,990.53	D	
Common Stock	02/24/2016		A	31,200	A	\$ 0	417,190.53	D	
Common Stock	02/24/2016		F	6,004	D	\$ 129.77	411,186.53	D	
Common							60 820	ĭ	By Marc N Casper

60,830

I

2012

Irrevocable Trust

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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. Transactic Code (Instr. 8)	5. Number of or Derivative Securities Acquired (A) or Disposed of (I (Instr. 3, 4, and 5)			7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (I	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 129.77	02/24/2016		A	128,100	<u>(2)</u>	02/24/2023	Common Stock	128,100

Reporting Owners

Reporting Owner Name / Address	Relationships						
reporting owner runner runners	Director	10% Owner	Officer	Other			
CASPER MARC N 81 WYMAN STREET WALTHAM, MA 02451	X		Chief Executive Officer				

Signatures

/s/ Barbara J. Lucas, Attorney-in-Fact for Marc N.
Casper 02/26/2016

**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).
- Shares represent a performance-based restricted stock unit award granted on February 25, 2015. The Company's Compensation Committee determined on February 24, 2016, that the performance criteria related to this award was satisfied. One-third of the shares vested on February 24, 2016, one-third of the shares vest on February 24, 2017, and the remaining one-third vest on February 24, 2018.
- (2) The option vests in four equal annual installments beginning on February 24, 2017.

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.

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