

THERMO ELECTRON CORP
 Form 4
 August 11, 2005

FORM 4

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

OMB APPROVAL

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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 *
HORNSTRA PETER E

2. Issuer Name and Ticker or Trading Symbol
**THERMO ELECTRON CORP
 [TMO]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 81 WYMAN STREET, P.O. BOX
 9046

3. Date of Earliest Transaction (Month/Day/Year)
 08/10/2005

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Chief Accounting Officer

(Street)
 WALTHAM, MA 024549046

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

(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 Indirect Beneficial Ownership (Instr. 4)	
			Code	V	Amount	(A) or (D)	Price	
Common Stock	08/10/2005		M		258	A	\$ 5.87 13,521	D
Common Stock	08/10/2005		M		87	A	\$ 5.87 13,608	D
Common Stock	08/10/2005		S		6,600	D	\$ 29.2 15,863	D
Common Stock	08/10/2005		S		2,400	D	\$ 29.21 13,463	D
Common Stock	08/10/2005		S		200	D	\$ 29.27 13,263	D

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Common Stock						549	I	By 401(k)
Common Stock	08/10/2005	M	537	A	\$ 8.49	14,145	D	
Common Stock	08/10/2005	M	457	A	\$ 9.82	14,602	D	
Common Stock	08/10/2005	M	290	A	\$ 10.86	14,892	D	
Common Stock	08/10/2005	M	220	A	\$ 11.89	15,112	D	
Common Stock	08/10/2005	M	319	A	\$ 17.81	15,431	D	
Common Stock	08/10/2005	M	14,659	A	\$ 10.99	30,090	D	
Common Stock	08/10/2005	M	2,314	A	\$ 13.51	32,404	D	
Common Stock	08/10/2005	M	7,849	A	\$ 15.82	40,253	D	
Common Stock	08/10/2005	M	522	A	\$ 20.68	40,775	D	
Common Stock	08/10/2005	M	90	A	\$ 11.03	40,865	D	
Common Stock	08/10/2005	S	2,302	D	\$ 29.07	38,563	D	
Common Stock	08/10/2005	S	1,600	D	\$ 29.08	36,963	D	
Common Stock	08/10/2005	S	500	D	\$ 29.09	36,463	D	
Common Stock	08/10/2005	S	1,300	D	\$ 29.1	35,163	D	
Common Stock	08/10/2005	S	300	D	\$ 29.11	34,863	D	
Common Stock	08/10/2005	S	400	D	\$ 29.12	34,463	D	
Common Stock	08/10/2005	S	800	D	\$ 29.13	33,663	D	
Common Stock	08/10/2005	S	1,800	D	\$ 29.15	31,863	D	
Common Stock	08/10/2005	S	1,200	D	\$ 29.16	30,663	D	
	08/10/2005	S	800	D		29,863	D	

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Common Stock					\$ 29.17		
Common Stock	08/10/2005	S	1,200	D	\$ 29.18	28,663	D
Common Stock	08/10/2005	S	6,200	D	\$ 29.19	22,463	D

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

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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)	
					V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 5.87	08/10/2005		M		258	09/22/1995	09/22/2005	Common Stock	258
Stock Option (Right to Buy)	\$ 9.82	08/10/2005		M		457	11/19/1998	12/03/2005	Common Stock	457
Stock Option (Right to Buy)	\$ 8.49	08/10/2005		M		537	12/09/1993	12/09/2005	Common Stock	537
Stock Option (Right to Buy)	\$ 20.68	08/10/2005		M		522	11/19/1998	12/09/2005	Common Stock	522
Stock Option (Right to Buy)	\$ 15.82	08/10/2005		M		7,849	12/14/1993	12/14/2005	Common Stock	7,849

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Stock Option (Right to Buy)	\$ 10.99	08/10/2005	M	14,659	12/15/1993	12/15/2005	Common Stock	14,659
Stock Option (Right to Buy)	\$ 13.51	08/10/2005	M	2,314	12/16/1993	12/16/2005	Common Stock	2,314
Stock Option (Right to Buy)	\$ 17.81	08/10/2005	M	319	11/19/1998	12/21/2005	Common Stock	319
Stock Option (Right to Buy)	\$ 5.87	08/10/2005	M	87	03/11/1996	03/11/2006	Common Stock	87
Stock Option (Right to Buy)	\$ 11.89	08/10/2005	M	220	03/11/1996	03/11/2006	Common Stock	220
Stock Option (Right to Buy)	\$ 11.03	08/10/2005	M	90	11/19/1998	03/11/2006	Common Stock	90
Stock Option (Right to Buy)	\$ 10.86	08/10/2005	M	290	04/09/1996	04/09/2006	Common Stock	290

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
HORNSTRA PETER E 81 WYMAN STREET P.O. BOX 9046 WALTHAM, MA 024549046			Chief Accounting Officer	

Signatures

By: Barbara J. Lucas, Attorney-in-Fact for Peter E. Hornstra

08/11/2005

__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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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