

GROSSMAN D KEITH  
 Form 4  
 December 08, 2005

**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 \*  
**GROSSMAN D KEITH**

(Last) (First) (Middle)  
 6035 STONERIDGE DRIVE  
 (Street)

PLEASANTON, CA 94588

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**THORATEC CORP [THOR]**

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 12/06/2005

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 Chief Executive Officer

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**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	12/06/2005		F		57,188 (1)	\$ 22	D
Common Stock	12/06/2005		M		25,500	\$ 10.563	D
Common Stock	12/06/2005		M		500	\$ 6.56	D
Common Stock	12/06/2005		M		29,000	\$ 16.56	D
Common Stock	12/06/2005		S		55,000	\$ 22.2235	D

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Common Stock	12/07/2005	S	30,812	D	\$ 21.8097	220,508	D
Common Stock	12/08/2005	M	11,000	A	\$ 16.56	231,508	D
Common Stock	12/08/2005	S	48,000	D	\$ 21.795	183,508	D

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. 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)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	
Stock Option (right to buy)	\$ 10.563	12/06/2005		M	25,500	04/24/2000 <sup>(2)</sup>	04/24/2010	Common Stock	25,500
Stock Option (right to buy)	\$ 6.56	12/06/2005		M	500	04/04/2001 <sup>(3)</sup>	04/04/2011	Common Stock	500
Stock Option (right to buy)	\$ 16.56	12/06/2005		M	29,000	12/06/2001 <sup>(2)</sup>	12/06/2011	Common Stock	29,000
Stock Option (right to buy)	\$ 16.56	12/08/2005		M	11,000	12/06/2001 <sup>(2)</sup>	12/06/2011	Common Stock	11,000

## Reporting Owners

Reporting Owner Name / Address

Relationships

Reporting Owners

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Director   10% Owner   Officer   Other

GROSSMAN D KEITH  
6035 STONERIDGE DRIVE  
PLEASANTON, CA 94588

X

Chief Executive Officer

## Signatures

/s/D. Keith  
Grossman

12/08/2005

\_\_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).
- (1) Shares withheld to pay taxes applicable to the vesting of restricted stock.
- (2) Shares vest in four equal installments over four years commencing one year after the grant date.
- (3) Shares 100% vested on grant date.
- (4) This option was granted pursuant to the Company's equity incentive plans with no payment received for the option.

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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