

KIERNAN JOHN P  
 Form 4  
 June 22, 2010

**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 \*  
**KIERNAN JOHN P**

2. Issuer Name and Ticker or Trading Symbol  
**VEECO INSTRUMENTS INC  
 [VECO]**

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)  
**VEECO INSTRUMENTS  
 INC., TERMINAL DRIVE**  
 (Street)  
**PLAINVIEW, NY 11803**  
 (City) (State) (Zip)

3. Date of Earliest Transaction (Month/Day/Year)  
**06/18/2010**

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

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
**SVP Finance & Corp. Controller**

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 Ownership (Instr. 4)	
				(A) or (D)	Price			
Common Stock	06/18/2010		M	A	\$ 18.11	17,271	D	
Common Stock	06/18/2010		M	A	\$ 17.48	25,604	D	
Common Stock	06/18/2010		S	D	10,000 (1)	\$ 40	15,604	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)

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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)	8. Amount or Number of Shares
Stock Option (right to purchase)	\$ 18.11	06/18/2010		M	1,667	<sup>(2)</sup> 06/07/2014	common stock	1,667
Stock Option (right to purchase)	\$ 17.48	06/18/2010		M	8,333	<sup>(3)</sup> 06/11/2015	common stock	8,333

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
KIERNAN JOHN P VEECO INSTRUMENTS INC., TERMINAL DRIVE PLAINVIEW, NY 11803			SVP Finance & Corp. Controller	

## Signatures

Gregory A. Robbins,  
Attorney-in-fact

06/22/2010

\*\*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) Represents securities sold pursuant to a 10b5-1 sales plan adopted by the reporting person.

(2) The option was granted on June 8, 2007 and became exercisable with respect to 1/3 of such shares on each of the first, second and third anniversaries of the date of grant.

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- (3) The option was granted on June 12, 2008 and became exercisable with respect to 1/3 of such shares on each of the first, second and third anniversaries of the 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.