#### ANDERSON ROBERT R

Form 4

October 29, 2010

### FORM 4

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

**OMB** Number:

3235-0287

0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

January 31, Expires: 2005

**OMB APPROVAL** 

Estimated average

burden hours per response...

if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

Check this box

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

See Instruction 1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person \* ANDERSON ROBERT R

2. Issuer Name and Ticker or Trading Symbol

AEHR TEST SYSTEMS [AEHR]

5. Relationship of Reporting Person(s) to

Issuer

(Middle)

3. Date of Earliest Transaction

(Check all applicable)

MKS INSTRUMENTS, INC, SIX

(First)

SHATTUCK ROAD

(Month/Day/Year) 10/27/2010

\_X\_\_ Director 10% Owner 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)

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

(Instr. 4)

ANDOVER, MA 01810

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned

7. Nature of 6. Ownership Form: Direct Indirect (D) or Indirect Beneficial (I) Ownership

(Instr. 4)

(A) or

Reported Transaction(s) (Instr. 3 and 4)

Following

Code V Amount (D) Price

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security

Conversion or Exercise

3. Transaction Date 3A. Deemed

(Month/Day/Year) Execution Date, if any

5. Number of TransactionDerivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Ar Underlying Se (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8		Acquired (A or Disposed (D) (Instr. 3, 4, and 5)	d of			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title
Non-Qualified Stock Option (right to buy)	\$ 1.32	10/27/2010		A		10,000		11/27/2010(1)	10/27/2015	Common Stock

## **Reporting Owners**

Reporting Owner Name / Address	Relationships						
r	Director	10% Owner	Officer	Other			
ANDERSON ROBERT R MKS INSTRUMENTS, INC SIX SHATTUCK ROAD ANDOVER, MA 01810	X						

### **Signatures**

Gary L. Larson, attorney-in-fact

\*\*Signature of Reporting Person Da

# **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) 1. One twelfth (1/12) of the total number of shares became exercisable on this date and an additional one twelfth (1/12) of the total number of shares became exercisable each month thereafter.

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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