

HENDRIX LEON J JR
 Form 4
 May 11, 2010

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 *
HENDRIX LEON J JR

2. Issuer Name and Ticker or Trading Symbol
KEITHLEY INSTRUMENTS INC [KEI]

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

(Last) (First) (Middle)
KEITHLEY INSTRUMENTS, INC., 28775 AURORA ROAD
 (Street)
SOLON, OH 44139

3. Date of Earliest Transaction (Month/Day/Year)
05/10/2010

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

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

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)
Common Shares				(A) or (D) Price	52,747	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)

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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)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Common Stock Option	\$ 36.85					08/18/2001	02/17/2011	Common Stk	10,000
Common Stock Option	\$ 19.23					08/18/2002	02/16/2012	Common Stk	10,000
Common Stock Option	\$ 10.7					08/16/2003	02/15/2013	Common Stk	10,000
Common Stock Option	\$ 23.13					08/15/2004	02/14/2014	Common Stk	10,000
Common Stock Option	\$ 16.67					05/13/2005	02/12/2015	Common Stk	10,000
Phantom Stock Units	\$ 9.3873	05/10/2010		A	977.46	<u>(1)</u>	<u>(1)</u>	Common Stk	977.46

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
HENDRIX LEON J JR KEITHLEY INSTRUMENTS, INC. 28775 AURORA ROAD SOLOON, OH 44139		X		

Signatures

Mark J. Plush,
Attorney-in Fact

05/11/2010

__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) The phantom stock units were accrued under the Keithley Instruments, Inc. Deferred Stock Plan and are to be settled in common stock or cash upon the retirement from the Board of the reporting person; retirement date is not yet known.
- (2) Phantom shares were acquired on various dates (beginning 09/19/1995) with prices ranging from \$2.469 to \$64.00.

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.