KEITHLEY INSTRUMENTS INC

Reminder: Report on a separate line for each class of

securities beneficially owned directly or indirectly.

Form 5

November 12, 2009

OMB APPROVAL FORM 5 **OMB** UNITED STATES SECURITIES AND EXCHANGE COMMISSION 3235-0362 Number: Washington, D.C. 20549 Check this box if January 31, Expires: no longer subject 2005 to Section 16. Estimated average ANNUAL STATEMENT OF CHANGES IN BENEFICIAL Form 4 or Form burden hours per 5 obligations OWNERSHIP OF SECURITIES response... 1.0 may continue. See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940 Form 4 Transactions Reported 1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer HOERSTEN MARK A Symbol KEITHLEY INSTRUMENTS INC (Check all applicable) [KEI] (Middle) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) Director 10% Owner Other (specify X _ Officer (give title (Month/Day/Year) below) below) 09/30/2009 VP Business Management KEITHLEY INSTRUMENTS. INC., 28775 AURORA ROAD (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line) SOLON, OHÂ 44139 _X_ Form Filed by One Reporting Person Form Filed by More than One Reporting (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 4. Securities Acquired 5. Amount of 6. 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction (A) or Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned at end Direct (D) Ownership of Issuer's or Indirect (Instr. 4) Fiscal Year (I) (A) (Instr. 3 and (Instr. 4) or 4) Amount (D) Price Common Â Â 06/30/2009 $J_{\underline{(1)}}$ 14 6,206 D Α 3.7431 Shares Common Â Â J(1)09/30/2009 9 \$ 5.75 6.215 D A Shares

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SEC 2270

(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)	Number				7. Title and Amour Underlying Securit (Instr. 3 and 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sl
Common Share Option	\$ 45.125	Â	Â	Â	Â	Â	08/02/2002	08/01/2010	Common Shares	12,
Common Share Option	\$ 18.41	Â	Â	Â	Â	Â	07/25/2003(2)	07/24/2011	Common Shares	25,
Common Share Option	\$ 13.76	Â	Â	Â	Â	Â	07/24/2004(2)	07/23/2012	Common Shares	30,
Common Share Option	\$ 16.12	Â	Â	Â	Â	Â	08/10/2005(3)	07/18/2013	Common Shares	30,
Common Share Option	\$ 18.75	Â	Â	Â	Â	Â	02/15/2005(4)	07/16/2014	Common Shares	25,
Common Share Option	\$ 15.05	Â	Â	Â	Â	Â	10/04/2007(2)	10/03/2015	Common Shares	8,8
Common Share Option	\$ 14	Â	Â	Â	Â	Â	01/30/2009(2)	01/30/2017	Common Shares	8,8
Common Share Option	\$ 9.12	Â	Â	Â	Â	Â	11/09/2009(2)	11/09/2017	Common Shares	7,5
Performance Award Unit	\$ 0	Â	Â	Â	Â	Â	09/30/2010(5)	(5)	Common Shares	5,7
Common Stock Option	\$ 2.99	Â	Â	Â	Â	Â	02/06/2011(2)	02/06/2019	Common Shares	16,
Restricted Unit Award	\$ 0	Â	Â	Â	Â	Â	(6)	(6)	Common Shares	5,5

Reporting Owners

Reporting Owner Name / Address	Relationships					
• 0	Director	10% Owner	Officer	Other		
	Â	Â	VP Business Management	Â		

Reporting Owners 2

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HOERSTEN MARK A KEITHLEY INSTRUMENTS, INC. 28775 AURORA ROAD SOLON, OHÂ 44139

Signatures

Mark J. Plush, Attorney-in Fact

**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) Acquired through Employee Stock Purchase and Dividend Reinvestment Plan.
- (2) Date reported applies to 50% of total, one-half of the balance is then exercisable in each succeeding year
- (3) Option became fully vested on August 10, 2005
- (4) Option became fully vested on February 15, 2005
 - Each Performance Award Unit represents the right to receive one common share. The number of units initially awarded, the target, is shown above. The actual number of units that will be awarded and converted to shares is based upon: a) the Company's revenue growth as
- (5) compared to a defined Peer Group and, b) the Company maintaining an acceptable level of profitability during the performance period which ends on the date exercisable (the "vesting date"). Awarded units are automatically converted to shares under the Plan on or before the December 31st following the Vesting Date.
- (6) Restricted unit awards will become fully vested on February 6, 2013. Common shares represented by such vested restricted unit awards will be delivered promptly after such vesting date.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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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