

Thomson Mark Edward
Form 4
June 17, 2010

FORM 4

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

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

OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person *
Thomson Mark Edward

2. Issuer Name **and** Ticker or Trading
Symbol
Measurement Specialties Inc
[MEAS]

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

(Last) (First) (Middle)
1000 LUCAS WAY
(Street)

3. Date of Earliest Transaction
(Month/Day/Year)
06/15/2010

____ Director ____ 10% Owner
____X____ Officer (give title ____ Other (specify
below) below)
Chief Financial Officer

HAMPTON, VA 23666

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
Person

(City) (State) (Zip)

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 (D) Price			
Common Stock, no par value					2,660.017 ⁽¹⁾	I	By 401(k)
Common Stock, no par value					2,686.4452 ⁽²⁾	I	By ESPP

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

**Persons who respond to the collection of
information contained in this form are not
required to respond unless the form
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(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)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount Number Shares
Restricted Stock Units	(3)	06/15/2010		A	2,318.8405	(4) (4)	Common Stock 2,318.8

Reporting Owners

Reporting Owner Name / Address	Relationships
Thomson Mark Edward 1000 LUCAS WAY HAMPTON, VA 23666	Director 10% Owner Officer Other Chief Financial Officer

Signatures

/s/ Mark
Thomson 06/17/2010

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) Included 1,548.017 shares previously purchased in 401(k) Plan pursuant to automatic election and not previously reported.
- (2) Includes 1,740.4452 shares previously purchased pursuant to the Employee Stock Purchase Plan and not previously reported.
- (3) Each restricted stock unit represents a contingent right to receive one share of Measurement Specialties, Inc.'s Common Stock.
- (4) The restricted stock units vest on June 15, 2011. Vested shares will be delivered to the reporting person on June 15, 2011.

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.