

OLDHAM WILLIAM G  
Form 4  
April 05, 2007

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
OLDHAM WILLIAM G

2. Issuer Name and Ticker or Trading Symbol  
NANOMETRICS INC [NANO]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

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

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

C/O NANOMETRICS, INC., 1550  
BUCKEYE DRIVE

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

(Street)  
  
MILPITAS, CA 95035

(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 Beneficial Ownership (Instr. 4) |       |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|-------|
|                                 |                                      |                                                    |                                | (A) or (D)                                                        | Price                                                                                         |                                                          |                                              |       |
|                                 |                                      |                                                    |                                | Code                                                              | V                                                                                             | Amount                                                   | (D)                                          | Price |

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

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(9-02)

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

| 1. Title of Derivative Security | 2. Conversion or Exercise | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction Code | 5. Number of Derivative Securities | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Security (Instr. 3 and 4) |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|

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| (Instr. 3)                                      | Price of<br>Derivative<br>Security | (Month/Day/Year) | (Instr. 8)<br>Acquired<br>(A) or<br>Disposed of<br>(D)<br>(Instr. 3, 4,<br>and 5) | Code | V | (A)   | (D) | Date Exercisable          | Expiration<br>Date | Title           | Ac<br>or<br>N<br>of<br>SH |
|-------------------------------------------------|------------------------------------|------------------|-----------------------------------------------------------------------------------|------|---|-------|-----|---------------------------|--------------------|-----------------|---------------------------|
| Non-Qualified<br>Stock Option<br>(right to buy) | \$ 6.61                            | 04/03/2007       |                                                                                   | A    |   | 2,500 |     | 04/03/2008 <sup>(1)</sup> | 04/03/2012         | Common<br>Stock | 2                         |

## Reporting Owners

| Reporting Owner Name / Address                                                        | Relationships |           |         |       |
|---------------------------------------------------------------------------------------|---------------|-----------|---------|-------|
|                                                                                       | Director      | 10% Owner | Officer | Other |
| OLDHAM WILLIAM G<br>C/O NANOMETRICS, INC.<br>1550 BUCKEYE DRIVE<br>MILPITAS, CA 95035 |               | X         |         |       |

## Signatures

/s/ Douglas J. McCutcheon, attorney  
in fact

04/04/2007

\*\*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 option vests in three equal annual installments beginning on April 3, 2008.

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.