| Form 4<br>February 01  |  |  |        |                               |  |        |                   |   | OMB AF  | PROVAL                          |  |
|--|--|--|--------|-------------------------------|--|--------|-------------------|---|---|---------------------------------|--|
| FORN<br>Check th   | UNITEDS                                | STATES   |        | RITIES A shington,            |  |        | NGE C             | OMMISSION   | OMB<br>Number:                                    | 3235-0287                       |  |
| Check this box Januar  |  |  |        |                               |  |        |                   |   | •   |                                 |  |
| (Print or Type   | Responses)                             |  |        |                               |  |        |                   |   |   |                                 |  |
|  | Address of Reporting F<br>SS JEFFREY R |  | Symbol | r Name <b>and</b><br>DYNE, IN |  | Tradin | ıg                | 5. Relationship of Issuer   |   |                                 |  |
| (Last)   | (First) (M                             |  |        | f Earliest Tr                 |  |        |                   | (Check  | k all applicable                                  | )                               |  |
| (Month/D)TERADYNE, INC., 60001/28/20RIVERPARK DRIVE01/28/20  |  |  |        | -                             |  |        |                   | Director 10% Owner<br>X Officer (give title Other (specify<br>below) below)<br>President, SystemsTestDivision |   |                                 |  |
| (Street) 4. If Amendment, Date Original<br>Filed(Month/Day/Year) 6. Individual or Joint/Group Filing(Ch<br>Applicable Line)<br>_X_ Form filed by One Reporting Person<br>Form filed by More than One Reporting |  |  |        |                               |  | rson   |                   |   |   |                                 |  |
|  | EADING, MA 018                         | Zip)   |        |                               |  |        |                   | Person  |   |                                 |  |
| (City)<br>1.Title of   |  |  |        | e I - Non-E<br>3.             | erivative S<br>4. Securit                  |        | -                 | uired, Disposed of  | , or Beneficial                                   | <b>ly Owned</b><br>7. Nature of |  |
| Security<br>(Instr. 3)   |  | . Transaction Date 2A. Deemed<br>Month/Day/Year) Execution Date, if<br>any<br>(Month/Day/Year) |        |                               | 4. Securit<br>on(A) or Dis<br>(Instr. 3, 4 | sposed | of (D)            | Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)                                | Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |                                 |  |
|  |  |  |        | Code V                        | Amount                                     | (D)    | Price<br>\$       | (Instr. 3 and 4)  |   |                                 |  |
| Common<br>Stock  | 01/28/2011                             |  |        | S                             | 20,000                                     | D      | φ<br>16.33<br>(1) | 39,847  | D   |                                 |  |
| Common<br>Stock  | 01/29/2011                             |  |        | М                             | 4,818                                      | А      | \$0               | 44,665  | D   |                                 |  |
| Common<br>Stock  | 01/31/2011                             |  |        | F <u>(2)</u>                  | 1,530                                      | D      | \$0               | 43,135  | D   |                                 |  |
| Common<br>Stock  | 01/29/2011                             |  |        | М                             | 7,226                                      | А      | \$ 0              | 50,361  | D   |                                 |  |
| Common<br>Stock  | 01/31/2011                             |  |        | F <u>(2)</u>                  | 2,295                                      | D      | \$0               | 48,066  | D   |                                 |  |

| Common<br>Stock | 01/30/2011 | М            | 11,250 | А | \$0                | 59,316 | D |
|-----------------|------------|--------------|--------|---|--------------------|--------|---|
| Common<br>Stock | 01/31/2011 | F <u>(2)</u> | 3,572  | D | \$ 0               | 55,744 | D |
| Common<br>Stock | 01/31/2011 | М            | 28,125 | А | \$ 4.81            | 83,869 | D |
| Common<br>Stock | 01/31/2011 | S            | 28,125 | D | \$<br>16.22<br>(3) | 55,744 | D |
| Common<br>Stock | 01/31/2011 | М            | 8,231  | А | \$ 9.34            | 63,975 | D |
| Common<br>Stock | 01/31/2011 | S            | 8,231  | D | \$<br>16.28<br>(4) | 55,744 | D |

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 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<br>Derivative<br>Security<br>(Instr. 3) | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 4.<br>Transactio<br>Code<br>(Instr. 8) | 5. Numbe<br>orDerivative<br>Securities<br>(A) or Dis<br>(D)<br>(Instr. 3, 4 | e<br>Acquired<br>sposed of | 6. Date Exercisabl<br>Expiration Date<br>(Month/Day/Year) |                    | 7. Title<br>Underly<br>(Instr. 3 |
|---|---|---|---|--|---|----------------------------|---|--------------------|----------------------------------|
|   |   |   |   | Code V                                 | (A)   | (D)                        | Date Exercisable  | Expiration<br>Date | Title                            |
| Restricted<br>Stock Units                           | \$ 0 <u>(5)</u>   | 01/29/2011                              |   | М                                      | 4,818   |                            | (5)   | (5)                | Comn<br>Stoc                     |
| Restricted<br>Stock Units                           | \$ 0 <u>(6)</u>   | 01/29/2011                              |   | М                                      | 7,226   |                            | (6)   | (6)                | Comn<br>Stoc                     |
| Restricted<br>Stock Units                           | \$ 0 <u>(7)</u>   | 01/30/2011                              |   | М                                      | 11,250  |                            | (7)   | (7)                | Comn<br>Stoc                     |
| Non-Qualified<br>Stock Option<br>(Right to Buy)     | \$ 4.81   | 01/31/2011                              |   | М                                      |   | 28,125                     | 01/30/2010(8)   | 01/30/2016         | Comn<br>Stoc                     |
| Non-Qualified<br>Sotck Option<br>(Right to Buy)     | \$ 9.34   | 01/31/2011                              |   | М                                      |   | 8,231                      | 01/29/2011 <u>(9)</u>                                     | 01/29/2017         | Comn<br>Stoc                     |

| Restricted<br>Stock Units                       | \$ 0 <u>(10)</u> | 01/28/2011 | А | 11,091 | <u>(11)</u>    | (11)       | Comn<br>Stoc |
|---|------------------|------------|---|--------|----------------|------------|--------------|
| Non-Qualified<br>Stock Option<br>(Right to Buy) | \$ 16.23         | 01/28/2011 | А | 13,353 | 01/28/2012(12) | 01/28/2018 | Comn<br>Stoc |

## **Reporting Owners**

| Reporting Owner Name / Address  | Relationships |               |                                |       |  |  |
|---|---------------|---------------|--------------------------------|-------|--|--|
|   | Director      | 10% Owner     | Officer                        | Other |  |  |
| HOTCHKISS JEFFREY R<br>TERADYNE, INC.<br>600 RIVERPARK DRIVE<br>NORTH READING, MA 01864 |               |               | President, SystemsTestDivision |       |  |  |
| Signatures  |               |               |                                |       |  |  |
| /s/ Ryan Driscoll, Deputy Genera attorney   | l Counsel     | , by power of | 02/01/2011                     |       |  |  |
| <b>**</b> Signature of Repor  | ting Person   |               | Date                           |       |  |  |

\*\*Signature of Reporting Person

### **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).
- The reported price is based on a weighted average of multiple same-day transactions with prices ranging from \$16.26 to \$16.395 per (1) share. Full information regarding the number of shares sold at each separate price is available to the Securities and Exchange Commission staff, the Issuer or any security holder of the Issuer upon request.
- (2)Shares/units withheld but not issued to satisfy certain tax withholding obligations.
- The reported price is based on a weighted average of multiple same-day transactions with prices ranging from \$16.20 to \$16.29 per (3) share. Full information regarding the number of shares sold at each separate price is available to the Securities and Exchange Commission staff, the Issuer or any security holder of the Issuer upon request.

The reported price is based on a weighted average of multiple same-day transactions with prices ranging from \$16.26 to \$16.33 per (4) share. Full information regarding the number of shares sold at each separate price is available to the Securities and Exchange Commission staff, the Issuer or any security holder of the Issuer upon request.

- Indicates conversion upon vesting of 25% of the time-based Restricted Stock Units (RSU's) granted on January 29, 2010. The remaining (5) portion will vest in three equal installments annually on the anniversary of the grant.
- Indicates conversion upon vesting of 25% of the performance-based Restricted Stock Units (RSU's) granted on January 29, 2010. The (6) remaining portion will vest in three equal installments annually on the anniversary of the grant.
- Indicates conversion upon vesting of 25% of the time-based Restricted Stock Units (RSU's) granted on January 30, 2009. The remaining (7)portion will vest in two equal installments annually on the anniversary of the grant.
- This option is granted under Teradyne's 2006 Equity and Cash Compensation Incentive Plan and is exercisable at the rate of 25% per (8) year, commencing on the date of the first anniversary of the grant, January 30, 2010.
- This option is granted under Teradyne's 2006 Equity and Cash Compensation Incentive Plan and is exercisable at the rate of 25% per (9) year, commencing on the date of the first anniversary of the grant, January 29, 2011.
- (10) Each RSU represents the right to receive one share of Teradyne, Inc. common stock.
- These RSU's were issued under Teradyne's 2006 Equity and Cash Compensation Incentive Plan, are time-based, and will vest in four (11)equal installments beginning on January 28, 2012.

(12) This option is granted under Teradyne's 2006 Equity and Cash Compensation Incentive Plan and is exercisable at the rate of 25% per year, commencing on the date of the first anniversary of the grant, January 28, 2012.

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.