

Gray Charles Jeffrey
 Form 4
 February 02, 2010

FORM 4

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

OMB APPROVAL

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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 *
 Gray Charles Jeffrey

(Last) (First) (Middle)
 TERADYNE, INC., 600 RIVERPARK DRIVE
 (Street)

NORTH READING, MA 01864
 (City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 TERADYNE, INC [TER]

3. Date of Earliest Transaction (Month/Day/Year)
 01/29/2010

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 VP,General Counsel & Secretary

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 Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | | (A) or (D) | 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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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 Underlying Security (Instr. 3 and 4) |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|--|---|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|--|---|

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| (Instr. 3) | Price of Derivative Security | (Month/Day/Year) | (Instr. 8) | Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title |
|---|------------------------------------|------------------|------------|--|------|---|-----|-----|---------------------------|--------------------|-----------------|
| Restricted Stock Unit | \$ 0 ⁽¹⁾ | 01/29/2010 | A | 18,844 | | | | | ⁽²⁾ | ⁽²⁾ | Common Stock |
| Non-Qualified Stock Option (Right to Buy) | \$ 9.34 | 01/29/2010 | A | 32,195 | | | | | 01/29/2011 ⁽³⁾ | 01/29/2020 | Common Stock |

Reporting Owners

| Reporting Owner Name / Address | Relationships |
|--|---|
| | Director 10% Owner Officer Other |
| Gray Charles Jeffrey TERADYNE, INC. 600 RIVERPARK DRIVE NORTH READING, MA 01864 | VP, General Counsel & Secretary |

Signatures

/s/ Ryan Driscoll, Deputy General Counsel, by power of attorney 02/02/2010

**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) Each Restricted Stock Unit (RSU) represents the right to receive one share of Teradyne, Inc. common stock.
- (2) These RSU's were issued under Teradyne's 2006 Equity and Cash Compensation Incentive Plan, are time-based, and will vest in four equal installments beginning on January 29, 2011.
- (3) 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 29, 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.