

6 SHARED VOTING POWER

- 0 -

7 SOLE DISPOSITIVE POWER

3,307,200 shares

8 SHARED DISPOSITIVE POWER

- 0 -

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,307,200 shares

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
SHARES*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

6.559%

12 TYPE OF REPORTING PERSON*

CO, BK, IA

CUSIP: 482480100

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*SEE INSTRUCTION BEFORE FILLING OUT!

SCHEDULE 13G

Item 1. Security and Issuer

(a) KLA Instruments Corp. (the "Company")

(b) Address: 160 Rio Robles
San Jose, California 95134

Item 2. Identity and Background

(a) This Schedule 13G is being filed by (i) Chancellor Capital Management, Inc., a Delaware corporation, whose principal business is the provision of institutional investment management services and (ii) Chancellor Trust Company, a New York State chartered trust company whose principal business is the provision of institutional investment management services.

(b) The address of the principal place of business of Chancellor Capital Management, Inc. and Chancellor Trust Company is: 1166 Avenue of the Americas, New York, New York 10036.

(c) Chancellor Capital Management, Inc. is a Delaware corporation. Chancellor Trust Company is a New York State chartered trust company.

(d) Common Stock

(e) CUSIP Number: 482480100

Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13d-2(b), check whether the person filing is a:

(b) X Chancellor Trust Company is a Bank as defined in section 3(a)
(6) of the Act.

(e) X Chancellor Capital Management, Inc. is an Investment Adviser

Item 4. Ownership

(a) For the year ended December 31, 1995, the aggregate number of shares of the Company's common stock beneficially owned by Chancellor Capital Management, Inc. and Chancellor Trust Company, as investment advisers for various fiduciary accounts, is 3,307,200 shares.

(b) Percent of Class: 6.559% based upon 50,421,000 shares outstanding.

(c) Chancellor Capital Management, Inc. and Chancellor Trust Company, as investment advisers for various fiduciary accounts, have sole power to vote or to direct the vote, and sole power to dispose of or to direct the disposition of, all of the shares reported in this Statement.

Item 5. Ownership of Five Percent or Less

Not applicable

Item 6. Ownership of More than Five Percent on Behalf of Another Person

Chancellor Capital Management, Inc. and Chancellor Trust Company are investment advisers for various fiduciary client accounts which are entitled to receipt of dividends and to proceeds of the sale of the shares reported in this Statement. The ownership interest of any such client accounts does not relate to more than five percent of the Common Stock.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Securities Being Reported by the Parent Holding Company

Not applicable.

Item 8. Identification and Classification of Members of a Group

Not applicable.

Item 9. Notice of Dissolution of Group

Not applicable.

Item 10. Certification

By signing below I certify that to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 1, 1996

Signatures Chancellor Capital Management, Inc.
as Investment Adviser

By: /s/ Jeffrey Trongone

JEFFREY TRONGONE
Chief Financial Officer

Chancellor Trust Company
as Investment Adviser

By: /s/ Jeffrey Trongone

JEFFREY TRONGONE
Chief Financial Officer

