

SECURITIES AND EXCHANGE COMMISSION

FORM 6-K

Current report of foreign issuer pursuant to Rules 13a-16 and 15d-16 Amendments

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NOVA MEASURING INSTRUMENTS LTD

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Business Address
PO BOX 266
011-972-8-938-7505
REHOVOT ISRAEL L3 76100

FORM 6-K
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549
Report of Foreign Private Issuer
Pursuant to Rule 13a-16 or 15d-16
of the **Securities Exchange Act of**
1934

May 2nd, 2005

NOVA MEASURING INSTRUMENTS LTD.

Building 22 Weitzmann Science Park, Rehovoth
P.O.B 266

[Indicate by check mark whether the registrant files or will file
annual reports under cover Form 20-F or Form 40-F.]

Form 20-F Form 40-F

[Indicate by check mark whether the registrant by furnishing the
information contained in this Form is also thereby furnishing the
information to the Commission pursuant to Rule 12g3-2(b) under the
Securities Exchange Act of 1934.]

Yes No

If "Yes" is marked, indicate below the file number assigned to the
registrant in connection with Rule 12g3-2(b): N/A.

Attached hereto and incorporated by way of reference herein the Registrants notice regarding 2005 First Quarter Results, note for a conference call

Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Nova Measuring Instruments Ltd
Nova Measuring Instruments Ltd (the "Registrant")

May 2nd, 2005

BY: /S/ Chai Toren



Company Contact:

Chai Toren, CFO and Vice President

Nova Measuring Instruments Ltd.

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NOVA MEASURING INSTRUMENTS**2005 FIRST QUARTER RESULTS RELEASE**

Conference Call Scheduled for May 9th, 2005 at 9am EST

REHOVOTH, Israel - May 2nd, 2005 - Nova Measuring Instruments Ltd. (NASDAQ: NVMI), a worldwide leader in the development, design and production of integrated process control systems in the semiconductor manufacturing industry, announced that it expects to release its first quarter 2005 results on Monday, May 9th, 2005.

The Company will host a conference call on the same day, May 9th, 2005, at 09:00am EST. On the call, Dr. Giora Dishon, President & CEO, and Mr. Chai Toren, CFO and Vice President Finance, will review and discuss the first quarter 2005 results.

To participate, please call one of the following teleconferencing numbers. Please begin by placing your calls 5 minutes before the conference call commences. If you are unable to connect using the toll-free numbers, please try the international dial-in number.

U.S Dial-in Numbers: 1-866-860-9642

Canada Dial-in Number: 1-866-485-2399

U.K Dial-in Number: 0-800-917-5108

FRANCE Dial-in Number: 0-800-903-025

SWITZERLAND Dial-in Number: 0-800-563-248

ISRAEL Dial-in Number: 03-918-0610

INTERNATIONAL Dial-in Number: +972-3-918-0610

At:

9:00 a.m. Eastern Time

8:00 a.m. Central Time

6:00 a.m. Pacific Time

2:00 p.m. GMT

4:00 p.m. Israeli Time

The conference call presentation will be available on our website www.nova.co.il, during the conference call. For those unable to participate in the conference call, there will be a replay available from May 12th, 2005, through June 12th, 2005, on Nova's website, www.nova.co.il.

About Nova

Nova Measuring Instruments Ltd. develops, designs and produces integrated process control systems for the semiconductor manufacturing industry. Nova provides a broad range of integrated process control solutions that link between different semiconductor processes and process equipment. The Company's web site is www.nova.co.il.