Agilent N1231A, N1231B PCI Three-Axis Laser Axis Boards

The Agilent N1231A, N1231B PCI three-axis laser axis boards each contain three laser interferometer measurement axes. The simple API software provides program access to the high resolution position data generated on the board. The high data rate hardware interface ports enable easy connection with off-the-shelf or custom servo control and data acquisition systems.

Agilent N1231A/B PCI Three-Axis Laser Axis Boards.

Key features

- High reliability and exceptional repeatability reduce downtime.
- High hardware update rates reduce timing uncertainty.
- High resolution measurements improve servo system performance.
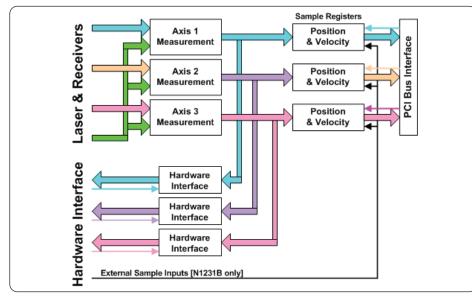- Flexible hardware IO ports enable simple connection to user's system.

Agilent Technologies

Agilent N1231A, N1231B PCI Three-Axis Laser Axis Boards

Product specifications

Model	Hardware update rate	Resolution with plane mirror optics	Maximum stage velocity with plane mirror optics and 5517FL laser head	Special functions	Hardware output ports optimized for connection with
N1231A	20 MHz	0.3 nm	1000 mm/s	–	Delta Tau PMAC/UMAC
N1231B	20 MHz	0.15 nm	1000 mm/s	External sample inputs	Custom or Generic Data Acquisition or Servo systems

Basic Block Diagram

For more details on Agilent interferometry systems, components and ordering information please visit **www.agilent.com/find/lasers**

Recommended options
- N1231*-101 Manual
- N1231*-200 API library software and monitor program
- R-51B-501 Return-to Agilent Repair Agreement

Agilent Technologies