



E1735A USB Axis Module

Data Sheet

The Agilent E1735A USB Axis Module is the electronic interface for the 5519A/B laser head used in the Agilent 5530 Dynamic Calibrator system. The axis module also provides the interface for both the optional remote control unit and optional A-quad-B encoder input. The axis module communicates via a standard high-speed USB 2.0 interface with the system PC running Microsoft Windows® operating system (Windows 98® or later).



Specifications of the USB Axis Module (E1735A):

- **Measurement Range:**
(Linear Interferometer) 0 - 84 m (± 42 m)
- **Typical Resolution:**
(Linear Interferometer) 1 nm
(Plane Mirror Interferometer) 0.5 nm
(Angular Interferometer) 0.006 arc-sec
- **Measurement Frequency:** 100 kHz - 10 MHz
- **Data Sampling Rate:** 100 kHz
- **A-quad-B Input Rate:** > 2 ns edge-to-edge, or < 10 MHz
- **Power Requirement:** +5 V, 280 mA maximum current (typical)
- **Operating Temperature:** 0 - 40°C (32 - 104°F)
- **Dimensions:** 102 x 63 x 24 mm (4.02 x 2.48 x 0.95 in)
- **Weight:** 220 g (0.48 lb)

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Printed in the USA February 8, 2009
5989-9708EN
Additional information is available at:
www.agilent.com/find/5530A



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