



# Agilent 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 Laser Calibration 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 interface with the system PC running Microsoft Windows® operating system (Windows 98® or later).

### Specifications

**Measurement range**

Linear interferometer 0 - 84 m ( $\pm 42$  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** 200 g (0.44 lb)



## Related Literature

Publication title	Publication number
Agilent 5530 Laser Calibration System Brochure	5989-9354EN
Agilent 5530 Laser Calibration System Data Sheet	5989-9712EN

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