

Keysight E1735A USB Axis Module

Data Sheet



The Keysight Technologies, Inc. E1735A USB Axis Module is the electronic interface for the 5519A/B laser head used in the Keysight 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 (± 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-quadrant-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
Keysight 5530 Laser Calibration System Brochure	5989-9354EN
Keysight 5530 Laser Calibration System Data Sheet	5989-9712EN

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 (BP-05-19-14)