

# Keysight E1736A USB Sensor Hub

## Data Sheet



This Sensor Hub provides the interface for the Keysight Technologies, Inc. E1737A Material Temperature Sensor and Keysight E1738A Air Temperature/Pressure/Humidity Sensor used with the Keysight 5530 Laser Calibration System. These sensors monitor parameters in the environment of the device being calibrated to enable the laser system to calculate appropriate correction factors. The E1736A can accommodate multiple sensors of both types. The sensor hub interfaces with the system PC via a standard high-speed USB interface.

## Specifications

	Range	Resolution
<b>Material temperature</b>	0 – 55 °C (32 – 131 °F)	0.004 °C (0.007 °F)
<b>Air temperature</b>	0 – 40 °C (32 – 104 °F)	0.004 °C (0.007 °F)
<b>Air pressure</b>	70 – 110 kPa (10.2 – 16.0 psia)	5 Pa (0.001 psi)
<b>Air humidity</b>	10 – 90%	1%
<b>Refresh rate</b>	per 4 s	
<b>Dimensions</b>	102 x 63 x 24 mm (4.02 x 2.48 x 0.95 in)	
<b>Weight</b>	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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