



E1736A USB Sensor Hub

Data Sheet

This Sensor Hub provides the interface for the Agilent E1737A Material Sensor and Agilent E1738A Air Temperature/Pressure/Humidity Sensor used with the Agilent 5530 Dynamic Calibrator 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 axis module interfaces with the system PC via a standard high-speed USB 2.0 interface.



Specifications of the Sensor Hub (E1736A):

- **Measurement Range:**
 - air temperature 0 - 40°C (32 - 104°F)
 - material temperature 0 - 55°C (32 - 131°F)
 - air pressure 70 - 110 kPa (10.2 - 16.0 psia)
 - relative humidity 10 - 90%
- **Measurement Resolution:**
 - air/material temperature 0.004°C (0.007°F)
 - air pressure 5 Pa (0.001 psi)
 - relative humidity 1%
- **Refresh Rate:** per 15 sec
- **Dimensions:** 102 x 63 x 24 mm (4.02 x 2.48 x 0.95 in)
- **Weight:** 200g (0.44 lb)

