

PQube®3 ENV2 EnviroSensor® Probe



Overview

Power disturbances may not always be the cause of equipment malfunction.

The ENV2 EnviroSensor adds the ambient environment to the troubleshooting toolbox of your PQube3: ambient temperature, relative humidity, barometric pressure and 3-axis acceleration.

The ENV2 also detects and records mechanical shocks and seismic disturbances, which can be cause of damage to your sensitive equipment.

Features

- Ultra-compact - the size of a match box. The ENV2 fits virtually everywhere
- Easy to install - just connect the ENV2 to the PQube 3 USB port
- Compare two environmental data from two locations - For example to record the ambient condition inside and outside of an equipment, or detect clogged air filters
- Trigger events on user-selected thresholds (e.g. over temperature, low humidity...)
- Detects and records mechanical shocks, seismic events or vibration events with user-selected sensitivity

Results



- Real-time readings via protocols
Modbus/TCP, SNMP, BACnet, DNP3.0
- Event recordings and graphs:
Text, CSV, GIF, and IEEE 1159-3 PQDIF
- Daily, weekly, monthly, trends and graphs
Text, CSV, GIF, and IEEE 1159-3 PQDIF

SPECIFICATIONS

TECHNICAL SPECIFICATIONS	
Dimensions (LxWxH)	L=1.51 in (38.5 mm) X W=2.43 in (61.80 mm) X H=0.77 in (19.6 mm)
Temperature	Range: -20°C to +80°C (-4°F to +176°F)
Humidity	Display range: 0% to 100%RH Useable range: 20 to 80%RH
Barometric Pressure	Resolution: < 0.001hPa (indicative measurement)
Acceleration	<ul style="list-style-type: none"> • Full-scale acceleration: user-selected range: +/-2g, +/-4g, or +/-8g • Recording buffer size: 480 samples user selected length (15, 30 or 60sec) • Recording buffer contains 33% pre-trigger and 67% post-trigger
Acceleration Trigger Events	<ul style="list-style-type: none"> • Mechanical shock/vibration (sudden changes in acceleration) User-selected threshold: 0.003g/ms to 0.4g/ms • Seismic disturbance (optimized for tiny accelerations in the frequency range of 0.1 to 10Hz) User-selected threshold: 0.001g to 1.24g
Connection	Connect the ENV2 cable to PQube3 USB ports USB2 or USB3

ORDER INFORMATION

PRODUCT	PART NUMBER
ENV2 EnviroSensor with 6 ft/2m USB cable	ENV2-THPA-2M-xx
ENV2 with 15 ft/5m USB cable	ENV2-THPA-5M-xx
Extension cable for ENV2 – 5m	ENV2-EXT-CABLE-5M-XX

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