

Product Datasheet

CAM-BP32 Digital Barometer & Thermohygrometer

Product Description

The CAM-BP32 is a battery or USB powered, portable, digital barometer & thermo-hygrometer designed for the measuring of temperature, humidity, barometric pressure and dew point calculation.

The BP32 utilizes a $\pm 0.25^{\circ}\text{C}$ temperature sensor and a $\pm 3\%$ humidity sensor. It has a ± 0.25 hPa barometric pressure sensor which can be used for measuring ambient barometric pressure or absolute pressure by connecting the pressure sensing port to a test volume such as a HVAC duct section with the use of silicon or rubber tubing.

Product Features

- Built in data logging with up to 300 test logs and 32 points per measurement per test log
- Output test log data via USB transfer
- Switch between measurement & units of measure from main screen
- Adjustable screen brightness
- Four operating languages: English, French, German & Spanish
- +9V PP3 Battery Powered or USB powered
- 50+ hours of battery life

Applications

- Measurement of Barometer, Temperature, Humidity & Dew Point for;
 - Closed loop systems (Ventilation / HVAC units)
 - Indoor Environments (Office / Home / Lab)

Accessories

- Soft Carry Case
- Pressure Tubing
- Calibration Certificate
- USB Cable

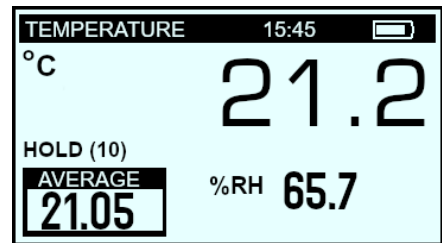
Dimensions & Layout

Unit Dimensions: 193mm x 80mm x 28mm



LCD DISPLAY OVERVIEW

PRIMARY MEASUREMENT ON DISPLAY	TIME AND BATTERY INDICATOR
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PRIMARY MEASUREMENT UNITS
HOLD INDICATOR & LOG COUNTER

TEST DATA AVERAGE	SECONDARY MEASUREMENT ON DISPLAY
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Specifications

POWER	9V PP3 Battery / USB
BATTERY LIFE	50+ HOURS
BATTERY LEVEL INDICATOR	YES
TEMPERATURE ACCURACY	$\pm 0.25^{\circ}\text{C}$ (0 – 60°C)
TEMPERATURE UNITS	$^{\circ}\text{C}$ $^{\circ}\text{F}$
HUMIDITY ACCURACY	$\pm 3\%$ RH (5 – 95% RH)
HUMIDITY UNITS	%RH
BAROMETER ACCURACY	± 0.25 hPa (800 – 1100 hPa)
BAROMETER UNITS	hPa “wg
DEW POINT ACCURACY	CALCULATED TO $\pm 0.5\%$
DEW POINT UNITS	$^{\circ}\text{C}$ $^{\circ}\text{F}$
TEMPERATURE RESPONSE	2s
HUMIDITY RESPONSE	8s
MEMORY SIZE	1 MBit
TEST LOG CAPACITY	300 LOGS 32 POINTS PER MEASUREMENT
USB DATA OUTPUT	YES
USB BAUD RATE	57600 kbs
LENGTH	193mm
WIDTH	80mm
WEIGHT	200g
MATERIAL	ABS
RECOMMENDED OPERATING CONDITIONS	10 – 45°C , 20 – 80% RH
MAX LIMIT OPERATING CONDITIONS	0 – 60°C , 5 – 95% RH