

# Product Datasheet

## CAM-DP10 Digital Micromanometer

### Product Description

The DP10 is a low cost, compact, hand held Micromanometer. Its light weight and portable design allow you to use the instrument wherever your job may take you while the long battery life expectancy ensures your micromanometer can operate for over 50 hours on a single 9V battery.

The DP10 has a pressure range of  $\pm 2500\text{Pa}$ . It offers units of measurement in imperial and metric for pressure, flow and velocity. Duct area can be configured in  $\text{m}^2$  or  $\text{ft}^2$  prior to testing, as well as the correction factor (K or M). Ambient temperature, Barometric pressure and Humidity can also be manually configured for increased precision.

### Product Features

- Built in data logging with up to 300 test logs and 98 points per measurement per test log
- Output test log data via USB transfer
- Switch between measurement & units of measure from main screen
- Adjustable sensor damping (0.5 – 16s)
- Adjustable screen brightness
- Four operating languages: English, French, German & Spanish
- +9V PP3 Battery Powered or USB powered
- 50+ hours of battery life

### Applications

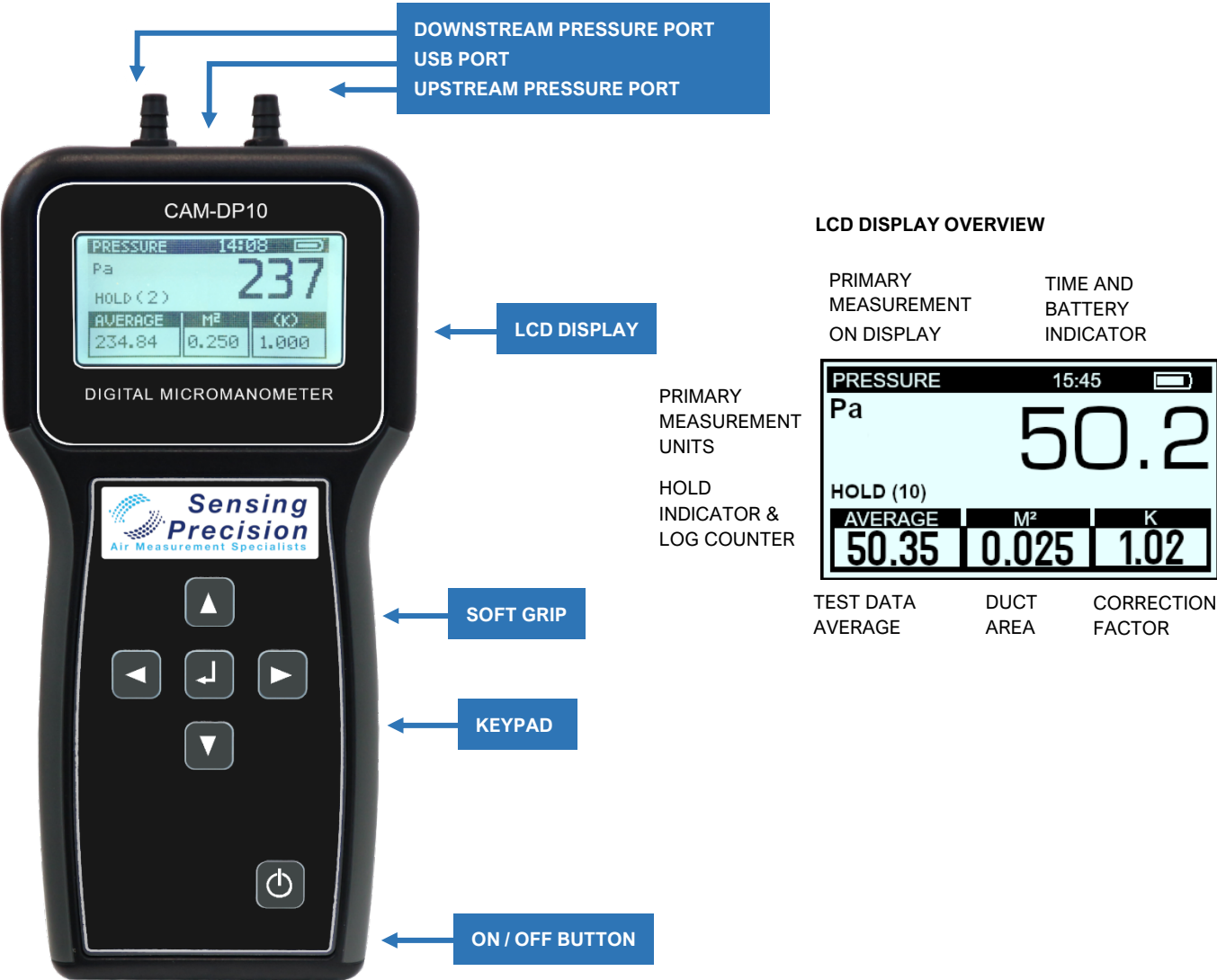
- Measurement of Pressure, Velocity and Volume Flow when used in conjunction with suitable measuring device such as a Pitot Tube, or, connected to a Wilson Flowgrid, for;
  - Closed loop systems (Ventilation / HVAC units)

### Accessories

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

## Dimensions & Layout

Unit Dimensions: 175mm x 80mm x 28mm



## Specifications

POWER	9V PP3 Battery / USB
BATTERY LIFE	50+ HOURS
BATTERY LEVEL INDICATOR	YES

PRESSURE RANGE	±2500 Pa
PRESSURE ACCURACY	±1% of Reading, ±1 Pa

MEMORY SIZE	1 MBit
TEST LOG CAPACITY	300 LOGS 98 POINTS PER MEASUREMENT
USB DATA OUTPUT	YES
USB BAUD RATE	57600 kbs

LENGTH	173mm
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

MEASUREMENT MODES	PRESSURE	VOLUME FLOW	VELOCITY
Imperial	Pascals (Pa)	Cubic Feet / Min (cfm)	Feet / Min (ft/m)
Metric	Inches Water ("Wg)	Litres / Sec (l/s) Meters <sup>3</sup> / Hour (m <sup>3</sup> /h) Meters <sup>3</sup> / Sec (m <sup>3</sup> /s)	Metres / Sec (m/s)