

SPECIFICATION SHEET Model 2A



MEASUREMENT UNITS

CENTIGRADE (°C), FARENHEIT (°F) & PPM (V)

SENSOR TYPE

Aluminium Oxide Ultra High Capacitance Sensor

RANGE

-80°C to -20°C dew point

AUTOMATIC CALIBRATION

Via potentiometer on front panel.

POWER SUPPLY

Mains: 110/240v AC & 9V DC - Six "C" type disposable batteries.

BATTERY LIFE

In excess of 150 hours continuous operation.

WARM UP TIME

Less Than 60 Seconds

SENSOR CALIBRATION ACCURACY

±2°C dewpoint. - All units supplied with certificates documenting factory calibration against known moisture levels traceable to National & International humidity Standards.

REPEATABILITY

± 0.5°C dewpoint.

TYPICAL RESPONSE TIME

95% of reading within 20 seconds in normal operation.

OPERATING CONDITIONS

Temperature: 0°C to +50°C
Humidity: 0-98% RH, Non-condensing
Storage Temperature: -30°C to +70°C
Operating Pressure for Measurement Head:
Atmospheric to 0.5 barg. Max.
Inlet Pressure: 28bar max.

ELECTROMAGNETIC COMPATIBILITY (EMC)

Immunity: Complies with EN 50082-1 : 1992
Emissions: Complies with EN 50081-1 : 1992

FLOW RATE TO SENSOR

3 to 20 litres/minute

CONNECTIONS

Swagelok stainless steel coupling, 0.25" overall diameter
compression tube fitting.

WEIGHTS & DIMENSIONS

8.5 Kgs Net / 12.0 Kgs Gross
409 x 425 x 198 mm

WARRANTY

One year from date of delivery against faulty materials or workmanship.