



Environment Meter

with Excel-Formatted Data Logging SD Card

Included Accessories:

- Hard carrying case
- Combination temperature/humidity/air speed/light level probe
- 2 GB SD memory card
- User's manual

Optional Accessories:

- 9VDC adapter for 110V power supply (General P/N AC1)
- Type K thermocouples
 - General P/N TPK500 (-50° to 500°F)
 - General P/N TPK05 (-40° to 562°F)
 - General P/N TPK03 (-40° to 950°F)
- Sound level probe/plug adapter (General P/N SC941)



No. DLAF930SD

Specifications:

Embedded Microcontroller: Custom one-chip LSI device

Display Type: LCD with green backlight

Display Size: 2.05 x 1.5 in. (52 x 38mm)

Parameters Measured: Air temperature, relative humidity (R.H.), air speed, light level

Measurement Range:

- For air speed: 0.4 to 25 m/sec, 1.4 to 90 km/hr, 0.9 to 55.9 mph, 0.8 to 48.6 knots, 80 to 4930 ft/min
- For temperature: 32° to 122°F (0 to 50°C); for R.H., 10 to 95%
- For light level: 0 to 20,000 lux, 0 to 1860 ft-cd

Measurement Accuracy:

- For air speed: $\pm (2\% + 0.2 \text{ m/sec})$, $\pm (2\% + 0.8 \text{ km/hr})$, $\pm (2\% + 0.4 \text{ mph})$, $\pm (2\% + 0.4 \text{ knots})$, $\pm (2\% + 40 \text{ ft/min})$
- For temperature: 1.5°F ($\pm 0.8^\circ\text{C}$)
- For humidity: $\pm (3\% \text{ of reading} + 1\%)$ for R.H. values $\geq 70\%$; $\pm 3\%$ of reading for R.H. values $< 70\%$
- For light level: $\pm (5\% \text{ of reading} \pm 8 \text{ digits})$

Measurement Resolution:

- For air speed: 0.1 m/sec, 0.1 km/hr, 0.1 mph, 0.1 knots, 1.0 ft/min
- For temperature: 0.1 °F or °C
- For humidity: 0.1% of reading
- For light level: 1 lux, 0.1 ft-cd

Data Logging Sampling Time: 1 second to 1 hour

Settable Parameters: Date, time, auto power off, beep sound, sampling time, decimal point or comma decimal division, temperature unit, air speed unit, light level unit, optional thermocouple type (K or J)

Storable/Recallable Readings: Maximum, minimum

SD Card Capacity: 1 GB to 16 GB

Operating Temperature: 32° to 122°F (0° to 50°C)

Operating Relative Humidity: 0 to 85%

Power Supply: Six Alkaline "AA" batteries or optional 9-VDC AC adapter

Power Consumption:

- 3.5 mADC (normal operation, with backlight off and SD card not saving data)
- 28 mADC with backlight on and card saving data
- 40mADC with backlight on and card saving data

Dimensions of Meter:

5.31 x 2.36 x 1.30 in. (135 x 60 x 33mm)

Weight of Meter: 1.13 lb. (515g)

Dimensions of Probe:

4.13 x 1.81 x 1.14 in. (105 x 46 x 29mm)



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