

Di-LOG
...measurably better

DL7106

4-in-1 Environmental Meter



- Decibel Sound Level
- Relative Humidity
- Temperature
- Lux level
- Easy To use
- Auto Power Off
- Data Hold & Max Function

DL7106

- A&C Decibel from 35 to 130 dB
- Humidity from 25% to 95%
- Temperature from -20 to 750°C
4°F to 1400°F
- Lux Light from 0.01 to 20,000 lux
- K-Type design Temperature probe
- Complete with Carry Case
- 1999 Count Display

www.dilog.co.uk

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SPECIFICATIONS

Temperature Celsius - (K-Type)

Range	Resolution	Accuracy
-20.0 to 50.0°C	0.1°C	
-20.0 to 200.0°C	0.1°C	± 3% rdg ±2°C
-20 to 750°C	1°C	± 3.5% rdg ±2°C

Input Protection: 60V DC or 24V AC RMS maximum input voltage on any combination of input pins

Temperature Fahrenheit - (K-Type)

Range	Resolution	Accuracy
-4 to 122°F	0.1°F	
-4.0 to 200°F	0.1°F	± 3% rdg ±2° F
-4 to 1400°F	1°F	± 3.5% rdg ±2° F

Input Protection: 60V DC or 24V AC RMS maximum input voltage on any combination of input pins

Humidity

Range	Resolution	Accuracy
25% to 95%	0.1%	± 5% RH (@ 25°C, 35% to 95% RH)

Note: The response time of the humidity sensor is Approx 6 Min.

Decibel Measurement

Range	Resolution	Accuracy
A-Lo: 35-100dB	0.1dB	+ 1.5dB (Under reference conditions)
A-Hi: 65-130dB	0.1dB	+ 1.5dB (Under reference conditions)
C-Lo: 35-100dB	0.1dB	+ 1.5dB (Under reference conditions)
C-Hi: 65-130dB	0.1dB	+ 1.5dB (Under reference conditions)

Typical Instrument Frequency Range: 30Hz-10Khz

Frequency Weighting: A, C - weighting

Time Weighting: Fast

Maximum Hold: Decay <1.5dB per 3 Mins

Microphone: Electric condenser microphone

Lux Light

Range	Resolution	Accuracy
20 lux	0.001 lux	± 5% rdg ±10 digits
200 lux	0.01 lux	± 5% rdg ±10 digits
2,000 lux	0.1 lux	± 5% rdg ±10 digits
20,000 lux	1 lux	± 5% rdg ±10 digits

Measurement Range: (20,000 lux range reading x 10)

Overrate Display: Highest digit "1" is displayed

Repeatability: ± 2%

Temperature Characteristic: ± 0.1%/°C

Photo Detector: One silicon photo diode with filter.

Miscellaneous

Supplied with 1x 9V battery

Dimensions/Wt: 251(H) x 63.8(W) x 40(D) mm

Weight: 250g

Photo Detector Dimensions: 115(H) x 60(W) x 27(D) mm

All Di-log Environmental Meters supported by a 2 Year Warranty



EMC & LVD

EN: 50081-1, 50082-1

EN: 61010-1, EN 61010-02-031

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