

# EMDL700 Temperature/Humidity/Sound Datalogger

## Records up to 20,000 data points

### Features:

- 7" high-resolution touch screen color LCD display (1024x600)
- Real time graphical curve with zoom and digital display of readings
- Brightness adjustment and screen saver with adjustable start time
- High/Low audible and visual alarms (high alarm only for sound)
- 1 second to 24 hour sampling rate with manual start/stop
- Progress bar indicates used/free memory
- $\pm 1.4$ dB accuracy (IEC61672 -1 Class 2)
- User selectable  $^{\circ}\text{C}/^{\circ}\text{F}$
- Max/Min
- Date and time setting
- USB interface for downloading recorded data to your PC in CSV format
- Built-in desk stand and wall mounting bracket
- Comes complete with sensor probe with 3.3ft (1m) cable, windscreen, USB cable, 3.7V Lithium battery and AC adapter/charger



### Applications:

Record Temperature, Humidity and Sound in virtually any indoor setting. Eliminate manual recording of data, monitor labs, hospitals, health care facilities, greenhouses, warehouses, HVAC systems, storage areas, office space, classrooms, museums and more

### Specifications

Temperature	-4 to 176°F (-20 to 80°C)
Accuracy	$\pm 0.9^{\circ}\text{F}/0.5^{\circ}\text{C}$ at 14 to 176°F (-10 to 80°C)
Relative Humidity	10 to 95%RH
Accuracy	$\pm 2.5\%$ RH at 20 to 80%RH
Sound Level	30 to 130dB
Accuracy	$\pm 1.4$ dB (1kHz)
Frequency Range	31.5Hz to 8kHz
Frequency Weighting	A and C
Response Time	Fast (125ms) and Slow (1s)
Resolution	0.1°F/°C; 0.1%RH/0.1dB
Memory	16GB
Datalogging Points	20,000 points total
Sampling Intervals	1sec to 24hr
PC Interface	USB
Power	3.7V Lithium Battery/5V 2A AC Adapter
Dimensions	7.1 x 4.5 x 0.7" (180 x 115 x 18mm)
Weight	1lbs (450g)

### Ordering Information:

EMDL700      Temperature / Humidity / Sound Datalogger