

The Tekneka EVM50 is an environment meter that measures temperature, humidity, air velocity, light, and sound. It features a 2" LCD screen that displays temperature, light, sound or humidity, and air velocity in a reverse direction. The EVM50 features include data hold, min/max, auto power down, and low battery/over-range indication. It also includes a low friction vane wheel that enhances air velocity accuracy in ft/min, MPH, m/s, km/h, and Knots, as well as a precision thin-film capacitance humidity sensor for quick response. Built-in thermistor for measuring ambient temperature. The Type K input can measure temperatures up to 1300°C (2372°F). Precision photo diode and correction filter are used to measure cosine and color-corrected light. Sound Level measurements in the EVM50 meet IEC 61672 class 2 using A frequency weighting and fast response time.

Features

- 2" LDC displays temperature, light, sound or humidity, and air velocity in a reverse direction
- Includes data hold, min/max, auto power down, and low battery/over-range indication
- Low friction vane wheel that enhances air velocity accuracy in ft/min, MPH, m/s, km/h, and Knots
- Sound Level measurements meet IEC 61672 class 2 using A frequency weighting
- Type K input can measure temperatures up to 1300°C (2372°F)
- PC interface with optional Data Acquisition Software (optional)



Applications

The Tekneka EVM50 is widely used in offices, hospitals, agricultural greenhouses, breeding facilities, museums, pharmaceuticals, laboratories, manufacturing facilities, warehouse storage, and home and restaurant monitoring.

Packing Includes

- Type K Temperature Probe
- 6 x 1.5V AAA Batteries
- User Manual
- Carrying Case

Measurements	Range	Resolution	Basic Accuracy
Air Velocity			
ft/min	80 to 5910ft/min	1ft/min	±3% FS
m/s	0.4 to 30m/s	0.1m/s	±3% FS
km/h	1.4 to 108km/h	0.1km/h	±3% FS
MPH	0.9 to 67MPH	0.1MPH	±3% FS
knots	0.8 to 58.3 knots	0.1knots	±3% FS
Light			
Foot Candles	0 to 1860Fc	0.1Fc	±(5% rdg + 8d)
Lux	0 to 20,000Lux	1Lux	±(5% rdg + 8d)
Relative Humidity	10 to 95%RH	0.1%RH	±4%RH of rdg
Temperature			
Thermistor	32 to 122°F (0 to 50°C)	0.1°	±2.5°F/1.2°C
Type K	-148 to 2372°F (-100 to 1300°C)	0.1°	±(1%+2°F/1°C) of rdg
Sound			
dB	35 to 130dB	0.1dB	±1.4dB
Frequency	31.5 to 8,000Hz		
Weighting/Response	A weighting/fast response		
Power	6 x AAA batteries		
Dimensions	Meter: 9.8 x 2.8 x 1.3" (248 x 70 x 34mm); Vane: 1.2" (31mm)		
Weight	11.8oz (335g)		

Ordering Info

EVM50..... Environment Meter