

The Tekneka 590 environmental meter integrates Sound Level, Light, Humidity, Temperature, and CFM/CMM Thermo-Anemometer functions into one versatile device, providing precise environmental measurements for industrial and home applications. It features a large backlight LCD for simultaneous MAX, MIN, and AVG measurements of sound, light, temperature, humidity, air velocity, and flow with selectable units. It includes electronic offset adjustment, area dimension settings, and a USB interface with PC software for live monitoring and data logging. Additional features include low battery indication, auto power-off to extend battery life, desired units conversion, flow area customization and readings hold function.

Features

- 2.4-inch LCD screen with backlight function
- It can HOLD the MIN/MAX/AVG readings, which assists in the fast monitoring
- Comfortable and simple to view Four-digit numerical values
- Realtime data logging via PC software and export it in .xls file
- Electronic offset function allows compensation of thermocouple
- Easy to set Area dimension (up to 6 point) for air flow measurement
- Auto power off within 15 minutes to conserve battery use
- Low battery indication to avoid sudden switch off while recording
- It features fast (125ms) and slow (1s) time weighting
- 5 selectable units of velocity measure: m/s, ft/min, km/h, MPH, knots
- Flow measurement units selectable CFM & CMM



Application

Widely used to measure and manage noise from a variety of sources like industrial plants, military, vehicle inspections, construction work, heavy machinery, urban Environmental noise, building inspection, auditoriums, theaters, testing laboratories, and animal acoustics.

Package Includes

- 590 Environmental Meter
- 1 x 9V battery
- User Manual
- Mini Tripod
- USB Cable
- Hygrometer Probe
- Type K Temperature Probe
- Light Probe
- Anemometer Probe
- Carrying Case



Ordering Info.

590.....Environmental Meter Kit

Optional Accessories

- P0401181.....Light Probe
- P0401182.....Hygrometer Probe
- P0401183.....Anemometer Probe
- P0401184.....Type K Temperature Probe
- P0401185.....USB Cable
- P0401186.....Mini Tripod

Parameters	Ranges	Accuracy
Sound Level	30 ~ 130dB	±3.5dB@94dB 1KHz
Light	20,000Lux	±(5%+10D)
Temperature	-30°C ~ 60°C	±1°C
Humidity	5% ~ 98%	±3.5%RH
Type K Temperature	-200°C ~ -100°C	±0.5%rdg+2°C
	-100°C ~ 1372°C	±0.15%rdg+1°C
Air Velocity	0.40 ~ 30m/s	±3%+0.20m/s
Air Flow	0 ~ 999900CFM	Accuracy is function of velocity & area
	0 ~ 999900CMM	

Description	Ranges
Display	2.4-inch LCD; 4 digits
Units Setup	Temperature, Sound, Light, Velocity, Flow, Area
Offset Option	Type K temperature offset
PC interface	yes (No internal memory, realtime data logging only)
Auto Power off	Yes
Hold Function	Yes
MIN,MAX & AVG readings	Yes
Time Weighting	FAST (125ms); SLOW (1s)
Battery Type	1 x 9V battery
Operating Temperature	0 to 50°C
Storage Temperature	-10 ~ 60°C
Device Dimension	278x76x50mm
Weight	Device:330g (with battery)/ Gross: 3.2kg
Package Dimension	500x125x365mm