

2. 5 IN 1 DIAGNOSTIC METER

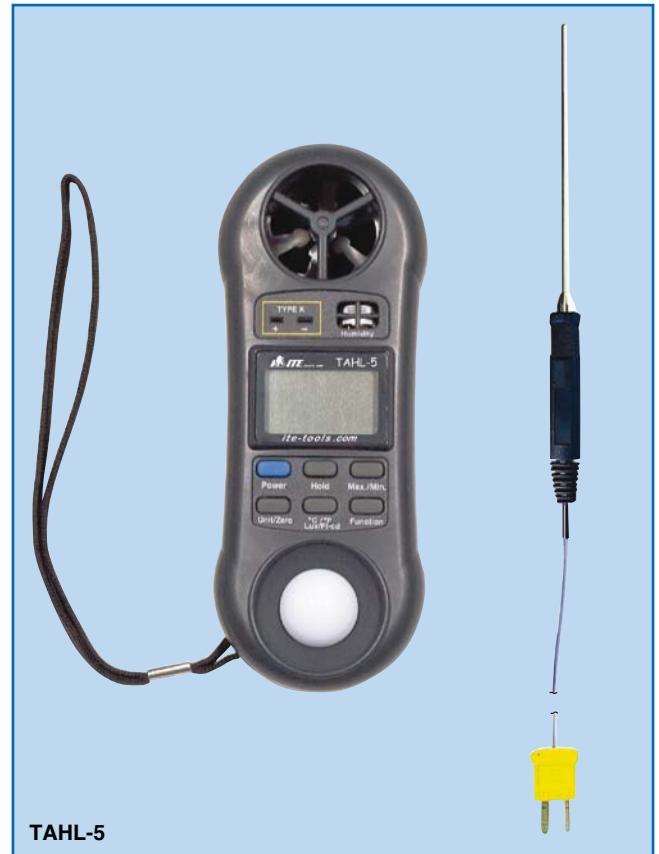
TAHL-5 THERMO-, ANEMO-, HUMIDITY, LIGHT METER

FEATURES

- 5 in 1 professional measuring instrument: Anemometer, Air Flow, Hygrometer, Thermometer and Light meter.
- Compact, lightweight, wristlet design for easy one hand operation.
- Low friction ball bearing mounted wheel design provides high accuracy at high and low air velocity.
- Exclusive photo diode and color correction filter light sensor, spectrum meets C.I.E. photopic.
- High precision thin film capacitance humidity sensor with fast response to the humidity changes.
- Standard type K thermocouple input jack suitable for all kind of type K probe.
- Built-in microprocessor circuit assures excellent performance and accuracy.
- Concise and compact button arrangement, easy operation.
- Memorizes the maximum and minimum value with recall.
- °C/°F selectable.
- Lux/foot-candle selectable.
- Air velocity measuring units selectable for five kind of units.
- Air flow (CFM, CMM) measurement can be set to the desired area dimension.
- Multi channel display for relative humidity and temperature measured values or air velocity and temperature measured values at the same time.
- Zero button design for light meter calibration.
- Hold function to freeze the current reading value.

SPECIFICATIONS

- Operating temperature: 0°C to +50°C (+32°F to +122°F).
- Operating humidity: Max. 80 % RH.
- Power supply: DC 9 V battery (heavy duty type), included.
- Power consumption: Approx. DC 6,2 mA.
- Dimensions: 156 mm x 60 mm x 33 mm (6,14" x 2,36" x 1,29").
- Weight: 160 g.
- Soft carrying case.
- TP-02A Temperature probe, type K, measuring range: -50°C to +900°C, dimensions: 10 cm tube, Ø 3,2 mm.



ELECTRICAL SPECIFICATIONS

| MEASUREMENT | | RANGE | RESOLUTION | ACCURACY |
|---------------------------|--------------------------|---|------------------|--|
| Air velocity | ft/min | 80 ft/min to 5,910 ft/min | 1 ft/min | ≤ 20 m/s: ± 3 % F.S. > 20 m/s: ± 4 % F.S. |
| | m/s | 0,4 m/s to 30,0 m/s | 0,1 m/s | |
| | km/h | 1,4 km/h to 108,0 km/h | 0,1 km/h | |
| | MPH | 0,9 mile/h to 67,0 mile/h | 0,1 MPH | |
| | knots | 0,8 knots to 58,3 knots | 0,1 knots | |
| Temperature (thermister) | | 32°F to 122°F | 0,1°F | ± 2,5°F |
| | | 0°C to 50°C | 0,1°C | ± 1,2°C |
| Air flow | CMM cubic meter/min | 54,000 CMM | 0,001 to 1 CMM | |
| | CFM cubic feet/min | 1.908,400 CFM | 0,001 to 100 CFM | |
| Humidity | % RH | 10 % RH to 95 % RH | 0,1 % RH | < 70 % RH: ± 4 % RH ≥ 70 % RH: (± 4 % rdg + 1,2 % RH) |
| | Temperature (thermister) | 32°F to 122°F | 0,1°F | ± 2,5°F |
| Light | Lux | 0 Lux to 2,200 Lux | 1 Lux | ± 5 % rdg ± 8 dgt |
| | | 1,800 Lux to 20,000 Lux | 10 Lux | |
| | ft-c | 0 ft-c to 204,0 ft-c | 0,1 ft-c | |
| * auto range | | 170 ft-c to 2,000 ft-c | 1 ft-c | |
| Temperature (Type K) | | -148°F to 2,372°F | 0,1°F | ± (1 % rdg + 2°F) |
| | | -100°C to 1,300°C | 0,1°C | ± (1 % rdg + 1°C) |
| MEASUREMENT | | AREA SETTING | | |
| CMM | | 0,001 m ² to 30,000 m ² | | |
| CFM | | 0,01 square feet to 322,92 square feet | | |
| REMARK: | | | | |
| ft/min: feet per minute | | MPH: miles per hour | | |
| m/s: meters per second | | knots: nautical miles per hour | | |
| km/h: kilometers per hour | | ft-c: foot-candle | | |

| | | | |
|---------------------------|--|--------------------------------|--|
| ft/min: feet per minute | | MPH: miles per hour | |
| m/s: meters per second | | knots: nautical miles per hour | |
| km/h: kilometers per hour | | ft-c: foot-candle | |