

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
		0°C to 50°C	0,1°C	± 1,2°C
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	
		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

