



Go Beyond Airflow Measurements

Extech's compact multi-function environmental meters couple all-in-one versatility with accurate diagnostics. Extech helps you get results with fewer tools.



45118/45158 Mini Thermo-Anemometers

3-in-1 or 5-in-1 meter

- Measure air velocity, temperature, and windchill
- Adjustable averaging function of 5, 10, or 13 second intervals
- Housing extends to 9" (229mm)
- Tripod mount (optional TR100 Tripod — sold separately)
- Data Hold with Auto power off
- Replaceable low friction vane
- Water resistant housing floats
- Complete with CR2032 lithium battery and 43" (1.09m) lanyard
- 45158 Additional Features**
- Measures %RH and Dew Point



45168CP Mini Thermo-Anemometer with Built-in Compass

7-in-1 meter

- Built-in Compass provides wind direction and 360° readings
- Delta T (Air Temperature - DP)
- Max function
- Housing extends to 9" (229mm)
- Auto Power Off with disable
- Water resistant housing floats and drop-tested to 6 feet
- Replaceable vane (45156)
- Tripod mount
- Complete with CR2032 lithium battery and lanyard



EN100 EN150

EN100/EN150 Environmental Meters with UV*

11-in-1 meters

- Replaceable low friction vane
- Barometric Pressure and Altitude functions
- Data Hold and Auto power off
- Complete with built-in sensors, wrist strap, and CR2032 battery. (Optional EN100-TP probe measures to 158°F/70°C)
- EN100 Additional Features**
- Measures light level with Auto-rotating display
- *EN150 Additional Features**
- Measures UV light level



45170 45170CM

45170/45170CM Environmental Meters

4-in-1 or 5-in-1 meter

- Auto-rotating display
- Low friction vane wheel
- Capacitance humidity sensor
- Type K input (Probe sold separately - see p. 41 and 70)
- Utilizes precision photo diode and correction filter
- MAX/MIN and Data hold
- Complete with wrist strap and 9V battery
- **Model 45170CM** also measures Air Flow (CFM/CMM)



Auto-rotating display

EN300 Environmental Meter

5-in-1 Meter & PC interface

- Auto-rotating display
- Low friction vane wheel
- Capacitance humidity sensor
- Thermistor for ambient temperature and Type K input (Probe sold separately - see p. 41 and 70)
- Utilizes precision photo diode and correction filter
- Sound Level measurement meets IEC 61672 class 2
- MAX/MIN and Data hold
- Complete with 6 AAA batteries; Optional AC adaptor UA100-240 & software 407001

ACCESSORIES		
45116	Mini Impeller (2pk) for 45118	\$33.99
45156	Mini Impeller (2pk) for 45158 and 45168CP	\$33.99
EN100-TP	RTD Temperature probe 14 to 158°F/-10 to 70°C	\$59.99
EN100-V	Mini impeller (2 pk) for EN100 and EN150	\$49.99
TR100	Tripod	\$29.99
CA895	Small Vinyl Pouch Case for 45118, 45158, 45168	\$10.99
UA100-240	100-240V AC Adaptor w/ 4 plugs (US, EU, UK, AU)	\$32.99

Using optional tripod TR100



SPECIFICATIONS	■ 45118 ▲ 45158	45168CP	■ EN100 ▲ EN150	■ 45170 ▲ 45170CM	EN300	SPECIFICATIONS
ft/min (res.)	100 to 5500 (20)	60 to 3937 (2)	80 to 3940 (1)	80 to 5910 (1)	80 to 5910 (1)	ft/min (res.)
m/s (res.)	0.5 to 28 (0.1)	1.1 to 20 (0.1)	0.4 to 20 (0.1)	0.4 to 30 (0.1)	0.4 to 30 (0.1)	m/s (res.)
km/h (res.)	1.8 to 100.6 (0.7)	0.8 to 72.0 (0.1)	1.4 to 72 (0.1)	1.4 to 108.0 (0.1)	1.4 to 108.0 (0.1)	km/h (res.)
MPH (res.)	1.1 to 62.5 (0.2)	0.5 to 44.7 (0.1)	0.9 to 45 (0.1)	0.9 to 67.0 (0.1)	0.9 to 67.0 (0.1)	MPH (res.)
knots (res.)	1.0 to 54.3 (0.3)	0.4 to 38.8 (0.1)	0.8 to 38.8 (0.1)	0.8 to 58.3 (0.1)	0.8 to 58.3 (0.1)	knots (res.)
Beaufort Force (res.)	1 to 17 (1)	1 to 8 (1)	—	—	—	Beaufort Force (res.)
Air Volume CFM/CMM	—	—	0.847 to 1,271,300CFM/0.024 to 36,000CMM	0.01 to 1,908,400CFM/0.001 to 54,000CMM	—	Air Volume (CFM/CMM)
Temperature	0 to 122°F/ -18 to 50°C (0.1°)	5 to 122°F/ -15 to 50°C (0.1°)	32 to 122°F (0 to 50°C)/15 to 111°F (-9 to 44°C)	Thermistor: 32 to 122°F/ 0 to 50°C (0.1°) Type K: -148°F to 2372°F/-100°C to 1300°C	32 to 122°F/ 0 to 50°C (0.1°)	Temperature
Relative Humidity (res.)	■ No ▲ 10% to 95% (1%)	0.1% to 99.9% (0.1%)	10 to 95% (0.1%)	10 to 95% (0.1%)	10 to 95% (0.1%)	Relative Humidity (res.)
Heat Index	—	—	32 to 212°F (0 to 100°C)	—	—	Heat Index
Wet Bulb	—	23°F to 122°F (-5 to 50°C)	22.3 to 120.2°F (-5.4 to 49.0°C)	—	—	Wet Bulb
Dew Point	■ No ▲ 32 to 122°F (0 to 50°C)	-4°F to 122°F (-20 to 50°C)	-13.5 to 120.2°F (-25.3 to 49.0°C)	—	—	Dew Point
Light Level	—	—	■ 0 to 1860Fc (0 to 20,000Lux) ▲ No	0 to 1860 (0.1Fc)/0 to 20,000 (1Lux)	0 to 1860 (0.1Fc)/ 0 to 20,000 (1Lux)	Light Level
UV Level	—	—	■ No ▲ 0 to 1999µW/cm² (2 to 20mW/cm²)	—	—	UV Level
Sound Level (res.) - A weighting	—	—	—	—	35 to 130dB (0.1dB)	Sound Level (res) - A weighting
Basic Accuracy						Basic Accuracy
Airflow	±3% of reading	±3% FS	±3% FS	±3% FS	±3% FS	Airflow
Temperature/Relative Humidity	■ ±1.8°F, ±1°C ▲ ±1.8°F, ±1°C/±5%RH	±1.8°F, ±1°C/ ±3%RH	±2.5°F, ±1.2°C/±4%RH	±2.5°F, ±1.2°C/±4%RH	±2.5°F, ±1.2°C/±4%RH	Temperature/Relative Humidity
Light/Sound	—	—	■ No ▲ Light: ±5% of reading	Light: ±5% of reading	Light: ±5% of reading/ Sound: ±1.4dB	Light/Sound
CE approved	Yes	Yes	Yes	Yes	Yes	CE approved
Dimensions/Weight	5.25x2.75x0.75" (133x70x19mm)/ 3oz (95g)	5.51x1.77x0.98" (140x45x25mm) / 3oz (95g)	6.1x2.4x1.3" (156x60x33mm)/ 5oz (160g)	6.1x2.4x1.3" (156x60x33mm)/ 5oz (160g)	6.1x2.4x1.3" (156x60x33mm)/ 5oz (160g)	Dimensions/Weight
	Vane: 1" (26mm)D	Vane: 1" (25.4mm)D	Vane: 1.2" (30.5mm)D	Vane: 1.2" (30.5mm)D	Vane: 1.2" (30.5mm)D	
Warranty	1 year	1 year	1 year	1 year	1 year	Warranty