



Thermo- Anemometers

Technical Data

MT948

The MT948 is an accurate Thermo-Anemometer that measures Air Velocity, Air Flow and Temperature. The meter is capable of measuring CMM (cubic meters/minute) or CFM (cubic feet/minute) by simply entering the area of the air source and can store 8 memory locations for both CMM and CFM for the most commonly used area sizes that the user can recall at anytime. The remote vane has a built-in temperature sensor, which simultaneously displays the wind speed and temperature on the large easy -to-read backlit LCD. The MT948 is ideal for monitoring commercial and domestic air conditioning systems. The MT948 is useful as the sensor can be held in the duct and the operator can read the measurements.

Features Include:

- Simultaneous displays of Air Flow or Air Velocity plus ambient Temperature
- CMM Air Flow from 0.001 ~ 999900m3/min (AREA)
- CFM Air Flow from 0.001 ~ 999900ft3/min (AREA)
- Temperature measurement from -10°C to 60°C
- Resolution 0.01m/s
- 16 Memory locations for commonly used area sizes
- 20 points average for air flow
- Measures m/s, ft/min, km/h, MPH and Knots
- Super large 9999 count backlit LCD display
- Min and Max record mode
- Data Hold function
- Detachable vane

General Specifications

Circuit	: Custom LSI microprocessor circuit
Display	: Dual function 16mm (0.7") 4-digit LCD
Sampling Rate	: 1 reading per second approx.
Sensors	: Air velocity/flow sensor: Conventional angled vane arms with low-friction Temperature sensor: NTC-type precision thermistor
Automatic Power Off	: Auto shut off after 20 minutes to preserve battery life
Operating Temperature	: 0 to 50°C (32 to 122°F)
Storage Temperature	: -10 to 60°C (14 to 140°F)
Operating Humidity	: <80% RH
Storage Humidity	: <80% RH
Operating Altitude	: 2000 meters (7000ft) maximum
Battery	: One 9 volt (NEDA 1604) battery
Battery Life	: 80 hours approx. (if the backlight is used continuously, battery life will be reduced significantly)
Battery Current	: 8.3 mA DC approx.
Weight	: 725g (1.6lbs) including battery & probe
Dimensions	: Main instrument: 203 X 75 X 50mm Sensor heads: 70mm (2.75") diameter



Air Velocity	Range	Resolution	Accuracy
m/s	0.40 - 30.00 m/s	0.01m/s	± (3% + 0.20m/s)
ft/min	1.4 - 108.0 km/h	0.1 km/h	± (3% + 0.8km/hr)
knots	80 - 5900 ft/min	1ft/min	± (3% + 40ft/m)
km/h	0.9 - 67.0 mph	0.1 mph	± (3% + 0.40mph)
mph	0.8 to 58.0 knots	0.1 knots	± (3% + 0.4knots)
Air Flow	Range	Resolution	Accuracy
CMM (cubic meters/min)	0 - 999900m ³ /min	0.001 to 100	0.000 to 999.9m ³
CFM (cubic ft/min)	0 - 999900ft ³ /min	0.001 to 100	0.000 to 999.9ft ³
Air Temperature	Range	Resolution	Accuracy
	(-10 - 60°C) 14 - 140°F	0.1°F/C	2.0°C (4.0°F)

Ordering Information

HEAD OFFICE

Cnr Rover and Jaguar Roads, Rustivia Ext 3, Elandsfontein
P.O. Box 888, Isando 1600, South Africa
Telephone: +27 11 822 1551
Sales Fax: +27 11 822 2806
Admin Fax: +27 11 822 1411
e-mail: sales@major-tech.com
National Tel: 08 61 MAJORT / 08 61 62 5678

BRANCHES - DURBAN

6A Pastel Park, Wareing Road, Pinetown
P.O. Box 15550, Ashwood 3605
Telephone: +27 31 701 5830
Sales Fax: +27 31 701 6986

BRANCHES - CAPE TOWN

109 Kyalami Drive, Killamey Gardens
P.O. Box 60122, Tabelview 7439
Telephone: +27 21 556 3091
Sales Fax: +27 21 556 3093

BRANCHES - PORT ELIZABETH

175 Kempston Road, Sidwell
P.O. Box 22499, Port Elizabeth 6000
Telephone: +27 41 453 3818
Sales Fax: +27 86 633 9809

