



Microcom Design, Inc.

Ultrasonic Wind Sensor

Model WMT

P/N: W-105-V



The **WMT Ultrasonic Wind Sensor** is designed for demanding applications where stable wind measurements are required. The WMT is free from problems the conventional mechanical sensors often have such as inertia, friction, time-constant, over-speeding, and starting threshold. The WMT is maintenance-free.

The Ultrasonic Wind Sensor delivers wind speed and wind direction from all directions without any "blind" angles to corrupt readings. The sensor has no moving parts, which makes it maintenance free. Optional sensor heating is available with automatic switching at low temperature to insure accurate wind measurements. With the heating option the WMT can measure wind in freezing weather and during snowfall.

SPECIFICATIONS:

Wind Speed

Range: 0-60m/s

Response Time:
0.25s

Units: m/s, km/h,
mph, knots

Accuracy: ± 0.3 m/s
– $\pm 2\%$

Resolution: 0.1m/s

Variables: avg,
max & min

Wind Direction

Range: 0-360°

Response Time:
250ms

Variables: avg,
max & min

Accuracy: $\pm 3^\circ$

Resolution: 1°

General

Operating Temperature: -52° to +60°C

Power Supply

Input Voltage: 5.3 – 30 VDC

Consumption: 3 mA @ 12 volts

Dimensions: 139mm (5.47")h x 127mm (5.00") dia.

Weight: 510g (1.12lbs)

Enclosure Rating: IP65

Options

W-105-V/H Heater (Specify AC, or DC power supply)

MB-105-V Mounting Adapter for 3/4" Pipe

C-140-V Cable

Microcom Design, Inc.

10948 Beaver Dam Road
Hunt Valley, MD, USA 21030
Tel: (410) 771-1070
Fax: (410) 771-0018

E-mail: sales@microcomdesign.com

Microcom Design Inc.

656-E Capital Circle, NE
Tallahassee, FL, USA 32301
Tel: (850) 325-1865

Email: sales@microcomdesign.com

Microcom Canada

Omnimetrix
3465 Ashby
Saint Laurent, QC H4R 2K3
Tel: (514) 684 1004
Fax: (514) 697 0400

Email: roger@omnimetrix.com

Microcom Brazil

Simtech Representacoes LTDA
Rua do Mercado 17/14 andar Centro
Rio de Janeiro, Brazil CEP 20010-120
Tel: 21 2506 5900
Fax: 21 2240 1242

E-mail: simtech@simtech.com.br