

Combined Humidity/Temperature Sensor

Features

- 4-20 mA outputs standard
- Environmental protection to IP65
- Wall mount or duct mount models
- Rugged construction
- High accuracy



WS-MM-251-W420
wall mounted model

The models, WS-MM-251-W420 and WS-MM-251-D420 are combined humidity-temperature sensors with integral probe for system integration in applications where the accurate and precise monitoring of ambient conditions is required.

Applications could include agricultural, manufacturing of microelectronics, manufacturing of pharmaceuticals, clinical laboratories, industrial ware-housing, etc.

The WS-MM-251-W420 and WS-MM-251-D420 provide linear output signals compatible with modern data/signal processing instrumentation.

The sensor is of rugged construction from ABS with the probe being protected with a filter of Teflon.

Specifications:

Operating ranges:

Temperature: -50°C to 50°C
Humidity: 0-100% RH

Accuracy:

Temperature: $\pm 0.2^\circ\text{C}$
Humidity: $\pm 2.0\%$

Power Requirements:

10-35 VDC or 12-24 VAC at 50 mA

Output signal:

Humidity: 4-20 mA at 0 to 100%
Temperature: 4-20 mA at -50°C to +50°C

Environmental Protection:

Sealed to IP65

Materials:

ABS & Teflon

Cable:

5 core shielded cable, length 5 metres

Dimensions:

WS-MM-251-W420: 155 mm x 101 mm x 41 mm
WS-MM-251-D420: Head: 103 mm x 41 mm
Probe: 207 mm x 15 mm

WS-MM-251-D420
duct mounted model



ORDERING INFORMATION:

Model	Description
WS-MM-251-W420	Humidity/Temp Sensor Wall mount
WS-MM-251-D420	Humidity/Temp Sensor Duct mount