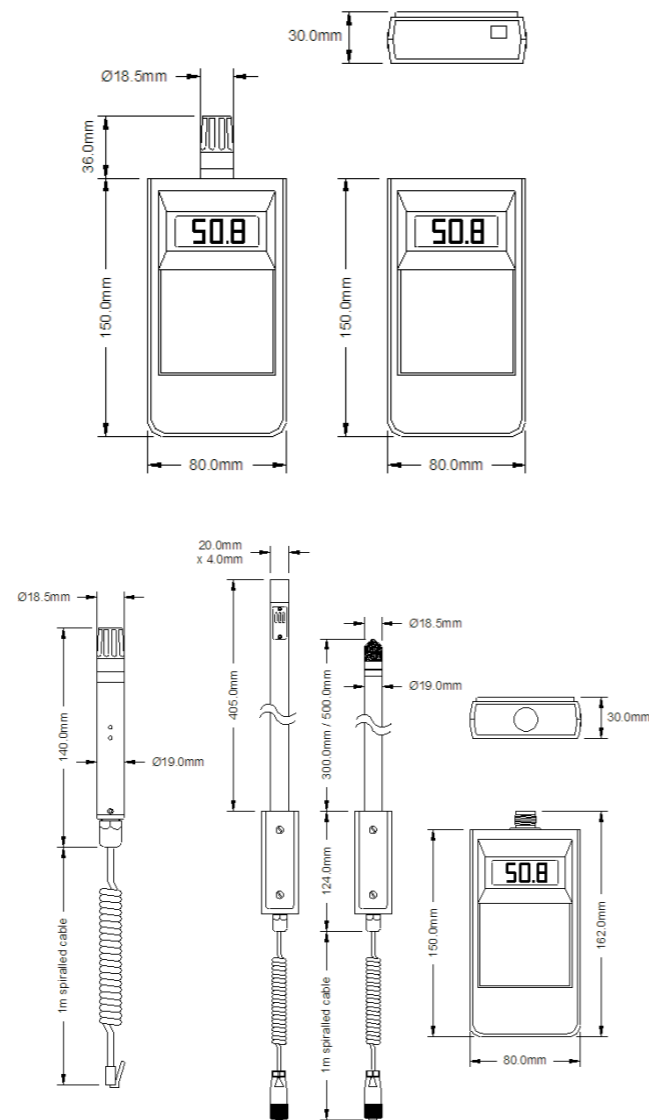


DM Series

Technical Specifications

Performance	
Measurement range (rh)	0-100 % rh
Measurement range (T)	
Fixed and standard probe	-20 to +60°C ,
Sword probe	-20 to +100°C ,
Remote probe	-20 to + 150°C
Accuracy rh @ 25°C	
Fixed probe	±2 % rh (10-90 % rh)
Remote probe	±2 % rh (5-95 % rh)
Accuracy T @ 25°C	±0.2°C typically
Stability rh sensor	±1 % rh over 12 months typical
Response time (T90)	10 sec typical (90 % of the change)
Temperature influence	±0.05 % rh/°C
Operating Conditions	
Operating temperature	-20 to +70°C (electronics)
Display	3 ½ digit LCD, 10 mm characters
General	
Display	% rh, °Cdp, °Fdp, g/m ³ , °Cdp/°Fdp temperature
Resolution	0.1°C
Power	9 VDC alkaline battery
Battery life	200 hours (approx)
Ingress protection	IP32

Dimensions



Please note: The accuracy stated represents the typical variation between the instruments under test and a calibrated and corrected reference.

Please contact us for latest version: DM Series 0508-M

DM Series

Hand-Held Relative Humidity and Temperature Transmitters

The DM Series is a range of portable, battery operated thermohygrometers. Available with a number of different probe configurations and with display of relative humidity, dew point, absolute humidity and temperature, the DM Series is suitable for a wide range of applications.



Features

- Displays % rh, dew point, absolute humidity, or temperature
- Available in different configurations
 - Ambient unit, Reference probe
 - High temperature probe, Sword probe
- Lightweight and portable
- Simple to operate
- Long term stability: ±1 % rh over 12 months

Applications

- On site relative humidity and temperature testing
- Reference measurements
- Moisture in paper
- Ovens
- ... and many more



Ordering code:

Ordering information can be taken from the second and third pages of the document.

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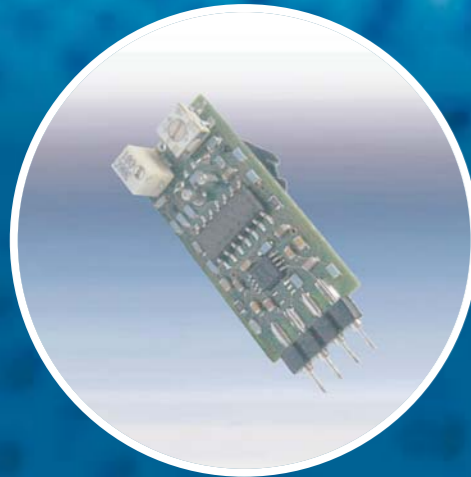
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Experts in:



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Engineering



RH Technologies

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DM Series Ordering Code

Basic Model - 1	
DM-509- {1} - {2}	Relative Humidity and Temperature Handheld Device, 0-100 % rh, 2 % accuracy
Suffix {1}	Sensor type configuration
MX	Fixed sensor
TX	Remote sensor
SX	Sword type sensor
H3	High temperature sensor, 300 mm
H5	High temperature sensor, 500 mm
Suffix {2}	Temperature display configuration
01	Temperature display in °C
02	Temperature display in °F

Ordering example

DM-509-MX-01

Relative Humidity and Temperature Handheld instrument, with fixed sensor and temperature display in °C

DM-509-H3-02

Relative Humidity and Temperature Handheld instrument, with remote high temperature sensor, 300 mm probe length, temperature display in °F



Basic Model - 2

DM-535- {1}	Relative Humidity, Dew Point, Absolute Humidity and Temperature Handheld Device
Suffix {1}	Temperature output configuration
01	Temperature display in °C
02	Temperature display in °F



DM Series Accessories

Electrical Connectors

Not available

General Accessories

A-000160	Leather carrying case
A-000014	PVDF Filter
A-000021	Protection cap with wire-mesh filter
A-000026	Sintered stainless steel filter, arrow shape



Flanges

Not available

Calibration Salts

A-000050	12 % reference salt
A-000060	33 % reference salt
A-000070	55 % reference salt
A-000080	75 % reference salt
A-000090	90 % reference salt



Ordering example

A-000050: Electrical 12 % reference salt

Related Products



Industrial Sensors



HVAC Sensors



Calibration Equipment

www.michell.com

