Ti Techingenium

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MDM25 Hand-Held Hygrometer



The MDM25 is a portable, battery-operated handmeter, and is available with a number of different probe configurations. It displays relative humidity, temperature and one calculated value, making this handmeter suitable for a wide range of applications. The user can choose to display either °C or °F.

Highlights

- Displays %RH and temperature, plus dew point, absolute humidity and wet bulb temperature
- Simple to operate
- Long term stability: ±1% RH over 12 months

Technical Specifications: Hand Meter

Performance		
Measurement units	%RH, °C/°F Ta, °C/°F Td, g/m³, °C/°F Tw	
Mechanical specificat	ion	
Ingress protection	IP54 - Hand meter only	
Handmeter housing material	Molded polymer housing ABS + rubber surround	
Weight	300g (10.58oz)	
Display resolution	Graphic LCD 128 x 64 pixels	
Electrical output/input		
Supply voltage	4.5 V (3 x AA batteries - provide approximately 70 hours of operation)	
Electrical connections	M9 5-way triad connector	

Probes

110000		
Performance		
Measurement range (RH)	0 - 100% F	RH
Accuracy at 25°C (77°F) Temperature	< ±0.2°C ((±0.36°F)
Stability - RH Sensor	±1% RH/y	ear
Response time - RH Sensor	<10 sec ty change)	pical (for 90% of the step
Measurement & operating range (T) Fixed and Standard probe Sword probe Remote probe	-20 to +80°C (-4 to +176°F) -20 to +100°C (-4 to +212°F) -20 to +150°C (-4 to +302°F)	
Accuracy at 25°C (77°F) Humidity - Fixed probe - Remote probes	±2% RH (10 - 90% RH) ±2% RH (5 - 95% RH)	
Mechanical specificat	ion	
Weight: Fixed Probe Standard Probe Sword Probe Round 300mm probe Round 500mm probe	FPR SPR SWPR HTPR300 HTPR500	()

Accessories and Spare Parts

19mm (0.75") slotted protection cap black	A000002
12mm (0.47") Slotted protection cap, black	A000003
19mm (0.75") PVDF filter	A000014
12mm (0.47") PVDF filter	A000017
12mm (0.47") PVDF filter with protection cap, black	A000018
19mm (0.75") mesh filter with protection cap, black	A000021
12mm (0.47") Mesh filter with protection cap, black	A000022
12mm (0.47") Flat SS sintered dust filter	A000023
19mm (0.75") Arrow SS sintered filter 10μm	A000026
12mm (0.47") Arrow 20 µm SS sintered filter	A000028

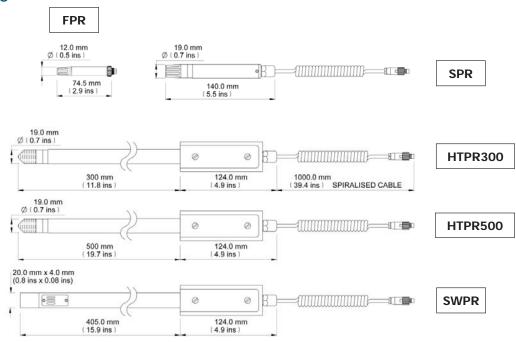
Rubber surround for hand meter case	A000400
Carrying case	A000401
Batteries (3 AA Alkaline cells)	A000402
Fixed probe	MDM-FPR
Standard probe	MDM-SPR
Sword type probe	MDM-SWPR
Remote high temperature probe 300mm (18")	MDM-HTPR
Remote high temperature probe, 500mm (19.6")	MDM-HTPR
You can check your hygrometer with the Control Kit HKC which is based on the principle of non-saturated salt solutions. Refer to technical data sheet CONTROL KIT	НКС

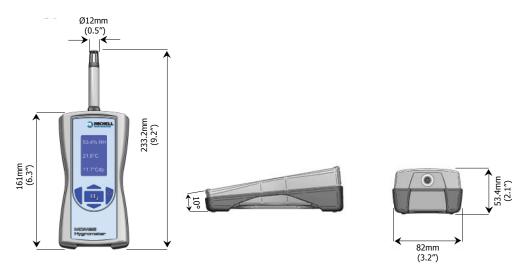
Issue No: MDM25_97227_V1.4_UK_1211



MDM25

Dimensions





Ordering Codes

To construct the order code, select the relevant feature from the tables below, starting with the base model, which is {Feature A} and then add on options to create a string: {Feature A}+{Feature B}

Order example: MDM25+SPR

Relative humidity and temperature handheld device with fixed probe (comes standard with 3 AA Alkaline batteries)

