

NEW Extech Humidity/Thermometer Stopwatch

Digital UP/DOWN timer displays Temperature, Humidity, and Heat Index

- User Settable Heat Index Alarm
- Stopwatch/Chronograph Mode with 1/100 Second Resolution
- Fastest/Slowest/Average Lap Recall
- 99 Lap Counter with 30 Lap/Split Memory
- 10 Hour Countdown Timer with Audible Beeper Warning for the Last 5 Seconds
- Programmable Alarm
- Calendar Mode Displays Day, Month, and Date
- 12 or 24 Hour Clock Operation
- Complete with 39" (1m) lanyard and one 3V CR2032 battery



HW30

Specifications

Timing capacity:	23hrs, 59mins, and 59secs
Accuracy:	±5 seconds/day
Alarm:	Yes
Countdown Timer:	Yes
Lap Memory	30 laps
Heat Index:	70 to 122°F
Temperature:	14 to 122°F (-10 to 50°C)
Humidity:	1 to 99%
Dimensions:	3.1x2.6x0.8" (79x66x21mm)
Weight:	3oz (85g)

Ordering Information

Order #	Mfg #	Description	Price
MPHW30	HW30	Humidity/Thermometer Stopwatch	

NEW Oakton Instruments Dewpoint Thermohygrometer Kit

- Temperature, %RH and Calculated Dewpoint Readout
- Includes field carrying case with Traceable Calibration Standards
- Minimum Maximum Recall, Setpoint Alarms, Hold Function
- Can be set for Continuous Monitoring
- Recorder Output

This handy meter will work for you even while you are away. Plus it has an auto-calibration function that eliminates the guesswork on re-calibration. Great for building maintenance, clean room, warehousing and other HVAC related applications.



WD-35612-10

Specifications

Mode	Relative Humidity	Dew Point	Temperature
Range	0-99% RH	-51 to 49.0°C (-60 to 120°F)	0-50.0°C (32.0 to 122.0°F)
Resolution	0.1% RH	0.1°C/F	0.1°C/F
Accuracy @25°C	±2% up to 95% RH		
±3% above 95%	±2.0°C (±4°F)	±0.6°C (±1.0°F)	
Output	0-1 VDC, 10mV/1% RH		0-2 VDC 40 mV/°C (10 mV/°F)
Sensor	Capacitance Polymer Film	—	Thermistor
Response time	10 sec. (90% of response)		one minute
Power:	4 x AAA 1.5V batteries, 50 Hrs continuous Weight: 4 lbs. (kit), 1 lb. (meter)		
Dimensions:	meter- 7.5" L x 3.5"W x 1.75"H Probe- 7.8"L x 0.69" dia. Kit- 14" L x 9" W x 2.75"H		

Ordering Information

Order #	Description	Price
MPWD-35612-10	Dewpoint Thermohygrometer kit	

NEW Vaisala Dewpoint Meter

Hand-held Dewpoint Meter for Low Dewpoints

- Dewpoint Range: -76 to +140 °F (-60 to +60 °C)
- Industrial Spot-Checking Applications
- One-Point Calibration Check for fixed Dewpoint Transmitters
- Fast Response
- Long Term Stability
- Numerical and Graphical Data
- Data Logging, Graphical Display and Traceable Transfer
- Withstands Condensation
- Auto Calibration Procedure

Each Unit Includes: Indicator with rechargeable NiMH batteries and 115V charger (DM70KIT), 4 Alkaline Batteries (DM70KIT-B), MIK70 Software and RS-232 Cable, DMP74 Probe, DSC74 Pressure Sampling Cell and quick connector, Carrying case and NIST Traceable Certificate

Specifications

Dewpoint measurement range	-60 to +60°C (-76 to +140°F)
Accuracy	± 2°C (3.6°F)
Humidity Range	0 to 100% RH
Accuracy <10%	±0.025% RH + 8.75% Rdg
>10%	± 0.7% RH + 2% Rdg
Operating temperature	-10 to +60°C (+14 to +140°F)
Pressure (Using DSC74)	0 to 20 BAR (0 to 290 PSIG)
Response Time	32 to -76°F



DM70

Ordering Information

Order #	Mfg #	Description	Price
MPDM70KIT	DM70D1A1B1B	Handheld Dewpoint Meter Kit w/NiMH Batteries/Charger	
MPDM70KIT-B	DM70K1A1B1B	Handheld Dewpoint Meter Kit w/4Alkaline Batteries	

Test Instruments — Miscellaneous

NEW DeFelsko Dewpoint Meter

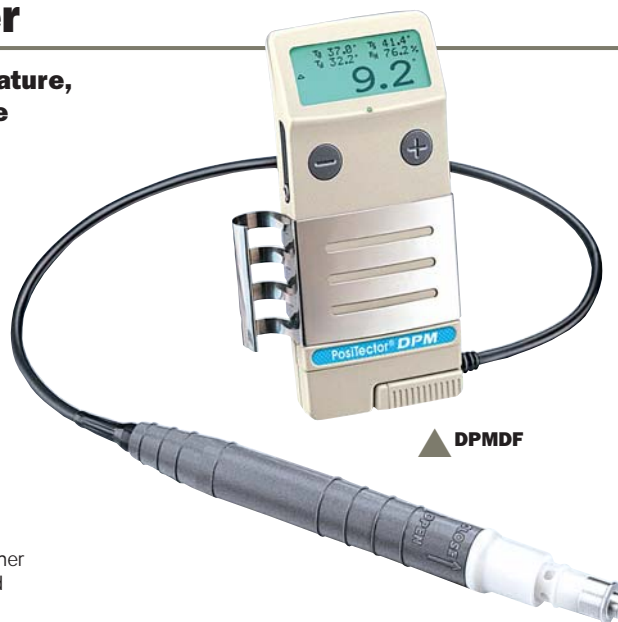
Measures and records air temperature, surface temperature, relative humidity, dew point temperature and difference between surface and dew point temperatures

- LCD with Multilingual Support and Backlight
- Two-button Menu-driven User Interface
- Fast Response Precision Sensors Provide Accurate, Repeatable Readings, Reliability and Long Term Stability
- Data Logger Mode: Automatically Records Data Sets at User Selected Time Intervals Ideal for Trend
- Audio/Visual Alarm Indicates Unsuitable Conditions
- Flip Display Enables Right-side-up Viewing
- Ideal for Industrial Painting Contractors and Manufacturers
- Internal Memory Stores up to 1000 Datasets

Each Unit Includes: gage, probe, Certificate of Calibration traceable to NIST, leather pouch, attachable clamp for one hand operation, internal memory, built-in infrared port for printing to a wireless IR printer, two AA batteries, instructions, one year warranty.

Specifications

	Range	Accuracy	Resolution
Surface Temperature	-40° to 80° C	+ 0.5° C	0.1° C
	80° to 190° C	+ 1.5° C	
	-40° to 175° F	+ 1° F	
	175° to 375° F	+ 3° F	
Air Temperature	-40° to 80° C	+ 0.5° C	0.1° C
	-40° to 175° F	+ 1° F	
Humidity	0 to 100%	+ 3%	0.1%
Dimensions: Meter:	5.8"H x 2.4"W x 1"D Probe: 8.7" x 0.8") Shipping Weight: 6 oz without batteries		



DPMDF

Ordering Information

Order #	Mfg #	Description	Price
MPDPMDF	DPMDF	Dew Point Meter	
MPDF-P	DF-P	Battery operated infrared printer	
MPDP-SW	DP-SW	Software and serial cable	
MPDF-AC	DF-AC	Upgrade from to AC/DC switchable power source	

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Cosa Portable Dewpoint Meter

- Self Contained, Battery Operated
- Dewpoint Range: -148 to +68°F
- Multiple Engineering Units
- Self-Drying Sensor Design
- Optional Digital and Analog Outputs

Portable Design for Field Applications
Whenever you need to make fast, precise checks of moisture in air or gas, choose the 23021A. It's a true portable, featuring hand-held size and self-contained operation. And its broad dewpoint range of -148 to +68°F makes for real versatility. The instrument is perfect for checking the dryness of hydrogen in power generators; insulating/blanketing gases around transformers, switch gears, and circuit breakers; natural gas in wells and transmission lines; compressed air; cryogenic air; and so forth. You'll never drag your benchtop dewpointer with all its cumbersome accessories around again!

Advanced Sample Cell, Sensor, and Dry-Storage System

The 23021A's proprietary aluminum oxide sensor is hyper thin, which causes a quasi-linear change in capacitance over its full range. This change is substantially greater than that of conventional aluminum oxide sensors and results in higher sensitivity, better repeatability, and faster response.

The sensor is part of a very efficient sampling system. It remains in "dry storage," retracted into the desiccant chamber, until sampling begins. When gas flows into the sample cell, its pressure activates a piston that pulls the sensor into the cell. The sensor quickly wets up, giving an accurate reading in one to two minutes. Purge the sample, and the sensor automatically returns to storage, where it is dried and kept shielded from ambient air.

All surfaces in the sample cell that contact sample gas are of electropolished 316 stainless steel, assuring rapid equilibrium with the sample. The cell accepts gas flows of up to 20 LPM, and measurement accuracy is unaffected by flow rate.

The "Extras"

A number of features enhance the 23021A. You can select dewpoint readings in degrees F or C, ppm, gH₂O/m³, or lbH₂O/million scf, and display sample temperature. Dewpoint is normally calculated and displayed at sensor pressure, or you can enter any pressure value, e.g., that of the line. The unit can be field calibrated anywhere; in fact, it never needs factory recalibration! And the long-life (three to four years) desiccant cartridge is easily replaced.

For signal-output capability, order the 23021A-1, which has digital and analog outputs.

Each Unit Includes: Carrying strap, 9V battery, connection fittings, and instruction manual.



▲ XR71110

Specifications

Dewpoint Range:	-148 to +68°F (-100 to +20°C)
Accuracy/Resolution:	±5.5°F (±3°C)/0.1°F or °C
Repeatability:	±0.9°F (±0.5°C)
Response Time:	For a step change from -40 to -60°C; 63% in 90 seconds
Temperature Range:	-22 to +120°F (-30 to +50°C)
Sample Flow Range:	Static to 100 m/s (linear velocity @ 1 atm.)
Operating Pressure:	28 PSI standard (100 PSI max)
Sample Connections:	¼" VCO input and output ports
Display:	3½-digit, backlit alphanumeric LCD
Outputs:	RS-232-C, 4 to 20 mA (23021A-1 only)
Power Supply:	9V battery, approx. 100-hr life (or 15–25 VAC or DC wall transformer, 23021A-1 only)
Size/Weight:	2.5 x 4.25 x 7.5" HWD/5.5 lbs

Ordering Information

Order #	Mfg #	Description	Price
MP23021A	XR71110	Dewpoint Meter	
MP23021A-1	XR71111/MA	Dewpoint Meter with RS-232-C and mA Outputs, External Power Jack	
MP23022A-1	XR06017	Coalescing Filter (must use with 23022A-3)	
MP23022A-3	XR10025	Mounting Bracket and Hardware	
MP23022A-5	XR06018	Pkg. of 10 Cartridges (for 23022A-1)	
MP1450-C	1450-C	Carrying Case	
MP23022A-9	XR10026	PTFE Tubing, ¼" x 2 Meters	

Transcat Calibration with Data	CALL
Transcat Calibration without Data	CALL