

RH600 Dew Point Meter



The RH600 accurately measures and datalogs dew point levels in compressed air systems. This high-precision meter can help manufacturing professionals protect product quality while avoiding damaged pneumatic equipment, corrosion, and problems in cylinder and valve systems. Featuring a color graphical display, the RH600 provides clear, stable readings, allowing you to measure dew point temperature down to -50°C (-58°F) in max ambient pressure of 20 bar. Set high/low audible and visible alarms for temperature, relative humidity, and dew point thresholds. You can also easily log and transfer recorded data to a PC in CSV format to create inspection reports fast.



RH600 Features

- Precisely measure dew point as low as -50°C (-58°F) under ambient pressure up to 20 bar
- Take reliable readings using the sensor purge/purification feature, which allows the probe sensor to dry quickly after contact with moisture
- Directly insert the probe sensor into the compressed air system through a G1/2" thread
- Measure low humidity (RH <5%) with high accuracy ($\pm 0.025\%$)
- Easily monitor dew point on the color graphical display with a menu-based user interface
- Log and transfer up to 32,000 data sets to a computer (in CSV format) using USB cable
- Program high/low set points for temperature, relative humidity, and dew point with visual and audible alarms
- Complete with RH601 Dew Point Probe, AC adapter, Micro USB to USB-A cable, 3.7 V Li-ion battery, and hard case

See next page for product specifications and ordering information



RH600 UPC Code: 793950426005
RH601 UPC Code: 793950426012

Specifications	Range	Max Resolution	Basic Accuracy
Relative Humidity	15 to 100% RH 5 to 15% RH 0 to 5% RH	0.01% RH	±2% RH + 3% of reading ±1% RH + 5% of reading ±0.025% RH + 17.5% of reading
Temperature	-10°C to 60°C (14°F to 140°F)	0.01°	±0.3°C (±0.54°F)
Dew Point	-40°C to 30°C (-40°F to 86°F) -50°C to -40°C (-58°F to -40°F)	0.01°	±2°C (±3.6°F) ±2.5°C (±4.5°F)
Water Concentration	40 to 20,000 ppm	1	±(7.3 ppm + 8.3% of reading)
Response Time	At flow rate 0.2 m/s, 1 bar pressure, 63% RH [90% RH] 0°C to 40°C Td (32°F to -40°F Td): 20 s [120 s] -40°C to 0°C Td (-40°F to 32°F Td): 10 s [20 s]		
Datalogging	32,000 data sets with time stamps		
Power	3.7 V rechargeable Li-ion battery (included)		
Operating Condition	-10°C to 60°C (14°F to 140°F), Pressure: 0 to 20 bar Accuracy at environment temperature: 16°C to 25°C (60.8°F to 77°F)		
Dimensions/Weight	192 mm × 77 mm × 40 mm (7.5 in × 3.0 in × 1.6 in) / 598 g (1.3 lb)		

Ordering

RH600..... Dew Point Meter

RH600-NIST..... Dew Point Meter with Certificate Traceable to NIST

RH601..... Dew Point Probe (-50°C Td)