

MODEL 635 - 1

RH and Temperature Hand-Held Meter

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Accurate Humidity measurements are becoming increasingly important, along with eliminating the hindrance of wires and having the versatility to measure in those areas where cabling is almost impossible. The 635 is the solution for many of those applications.

The **Model 635-1** is a robust and reliable measuring instrument with the protection class of IP54. The large back lit display allows the user to easily view the dew point, RH and temperature readings. The 635 offers both standard plug-in probes and optional wireless probes that can measure up to a distance of 20 meters. A maximum of 3 wireless probes can be used at one time and can be retrofitted with the 635 at anytime. All probes are equipped with a patented humidity sensor offering long term reliability and guaranteed accuracy based on results from worldwide laboratory tests. The 635 is equipped with a secured carrying strap for safe transporting and has heavy duty magnets on the back to ensure secure attachment at the measuring location.



Advantages of the Model 635 - 1

- ▶ Highest precision $\pm 2\%RH$
- ▶ Wireless probes can be retro fitted at any time
- ▶ Backlit display
- ▶ Protection type: IP54
- ▶ Connection up to 3 wireless probes
- ▶ Easy to follow menu

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Sensor Probe Selection Required

Model #	Sensor Description
2	Humidity/temperature probe, accuracy +/-2%RH, temperature range -20 to +70C
HPD	Precision pressure dew point probe for measurements in compressed air systems (dew point range -60 to 50C)

Technical Data	
Sensor:	Capacitance Humidity sensor
Measurement range for model 2 sensor:	
Humidity:	0 – 100% RH; from -20C to 70C
Temperature:	-20°C to +70°C
Accuracy:	
%RH: 2-98%	± 2%RH
Remaining Range	± 3%RH
Temperature:	± 0.3°C (-20 to 70C)
Measurement range for model HPD sensor:	Dew point: -60C to +50C
Accuracy:	+/-0.8C (-4.9C to +50C) +/-1.0C (-5C to -9.9C) +/-2.0C (-10C to -19.9) +/-3.0C (-29.9C to -20C) +/-4.0C (-40C to -30C)
Power:	Alkaline Type AA
Operating Temp:	-20 to 50C
Storage Temp:	-30 to 70C
Battery Life:	200 hours
Weight:	428g (<1lb)
Long Term Stability:	2%RH; Guaranteed for two years under normal conditions.
Material Housing:	ABS/TPE/Metal 10 years. Warranty: 2 year.

Wireless Option:

A model 635-1 and all three items listed below are needed for wireless applications

- WM** Wireless module (plugs into the 635 hand held meter)
- WPH** Wireless probe handle
- WHP** Plug-in humidity probe for the wireless handle (WPH)

Wireless Probe Technical Data:

- Measuring rate: 0.5sec to 10sec (adjustable on handle)
- Wireless coverage: Up to 20M (without obstruction)
- Battery type: 2 AAA Battery Life: 215hours (meas. rate at 0.5S) 6 months (meas. rate at 10S)
- Operating temp: -20 to 50C
- Storage temp: -40 to 70C

