

# Model 635-1

## RH and Temperature Hand-Held Meter

The Edgetech Instruments 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 635-1 offers both standard plug-in probes and optional wireless probes that can measure at a distance of up to 20 meters.

A maximum of 3 wireless probes can be used at one time and can be retrofitted with the 635-1 at any time. All probes are equipped with a patented humidity sensor offering long term reliability and guaranteed accuracy based on results from worldwide laboratory tests. The 635-1 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.

Edgetech Instruments' services are performed in the USA at their modern, well-staffed, ISO/IEC 17025:2005 accredited, ISO 9001:2015 registered manufacturing facility. All recertifications and calibrations are traceable to NIST.

### Features Include:

- Highest precision  $\pm 2\%$  RH accuracy
- Wireless probes can be retrofitted at any time
- Backlit display
- Protection type: IP54
- Up to 3 wireless probes at once
- Easy to follow menu



 **Edgetech Instruments**

ISO 9001:2015 Registered

ISO/IEC 17025:2005 Accredited

## Technical Specifications

### Model Designation:

- 635-1-2, Humidity/temperature probe, accuracy +/-2% RH, temperature range -20° to +70°C
- 635-1-HDP, Precision pressure dew point probe for measurements in compressed air systems, dew/frost point range -60° to 50°C

### Sensor Type:

- Capacitance relative humidity sensor

### Ranges and Accuracy:

#### Model 635-1-2

- Relative Humidity:  
0 to 100% RH, non-condensing
- Temperature:  
-20°C to 70°C
- Accuracy:  
RH, ±2% RH from 2 to 98% RH, ±3% over remaining range  
Temperature, ± 0.3°C (-20° to 70°C)

#### Model 635-1-HDP

- Dew/frost point:  
-60°C to +50°C
- Accuracy:  
+/-0.8°C (-4.9°C to +50°C)  
+/-1.0°C (-5°C to -9.9°C)  
+/-2.0°C (-10°C to -19.9°C)  
+/-3.0°C (-29.9°C to -20°C)  
+/-4.0°C (-40°C to -30°C)

### Power:

- Alkaline battery type AA

### Operating Temperature:

- -20°C to 50°C

### Storage Temperature:

- -30°C to 70°C

### Battery life:

- 200 hours

### Weight:

- Less than 1 lb. (428 g)

### Long Term Stability:

- ±2%RH guaranteed for two years under normal conditions

### Housing Material:

- ABS/TPE/Metal

### Warranty:

- 2 years

### 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°C to 50°C Storage temp: -40° to 70°C

