

High Temperature (120°C) Humidity Transmitter

The HT120 Series is a precision transmitter that provides quick and accurate humidity, barometric pressure, temperature, absolute pressure and dew point measurements in a wide range of applications. It has a wide temperature range of -40°C to 120°C and is resistant to most chemicals. This remote type transmitter comes standard with a 6 foot cable and is ideally suited for many different applications such as environmental chambers, compressed air, furnace and industrial applications. Many psychrometric units are selectable through the main menu. The unit is calibrated and adjusted to a traceable reference standard and each unit comes with a NIST certificate of calibration.



HT120	Humidity probe only - outputs: dew point, temperature and RH, three 0-10Vdc outputs, a RS232 (bi-directional), 24vdc power
HTP120	Humidity probe only - outputs: dew point, temperature and pressure, three 0-10Vdc outputs, a RS232 (bi-directional), 24vdc power
HTB120	Humidity probe only - outputs: dew point, temperature and barometric pressure, three 0-10Vdc outputs, a RS232 (bi-directional), 24Vdc power
HT120-DIS	Humidity probe with a 2 line backlit LCD display - outputs: dew point, temperature and RH, three 4-20mA outputs, a RS232 (bi-directional), two programmable alarm relays, 24Vdc power
HTP120-DIS	Humidity probe with a 2 line backlit LCD display - outputs dew point, temperature and pressure, three 4-20mA outputs, a RS232 (bi-directional), two programmable alarm relays, 24Vdc power
HTB120-DIS	Humidity probe with a 2 line backlit LCD display - outputs: dew point, temperature and barometric pressure, three 4-20mA outputs, a RS232 (bi-directional), 2 programmable alarm relays, 24Vdc power

SPECIFICATIONS**MEASURED PARAMETERS:**

HT120 series	RH / Temperature / Calculated dew point
HTP120 series	Pressure / Temperature / Calculated dew point
HTB120 series	Barometric pressure / Temperature / Calculated dew point

ACCURACY:

RH:	±1%
Temperature:	±0.5°C
Pressure (psi):	±1 psi
Barometric (mbar):	±1.5mb between 750mb to 100mb

PRESSURE RATING: 700lbs (47.6 bar)

RANGE:

RH:	0-95% (non-condensing)
Temperature:	-40°C to 120°C
Dew Point:	-60°C to 95°C
Pressure:	0 - 200 psia
Barometric Pressure:	10 to 1110mb

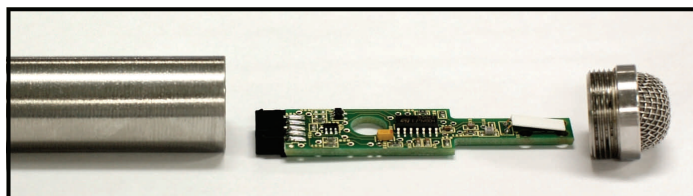
GENERAL:

Cable length: 6 feet, for other lengths contact factory
Probe length: 8in (20.3cm)
Probe Material: 316 stainless steel
Filter: Mesh stainless steel filter (removable and cleanable)
Sensor: Polymer-capacitive
Fitting: Adjustable ¾ NPT
Connections: Screw terminals
Wire (20-24awg) stranded wire required
DIS (option): Electronics housed in an IP65 enclosure
DIS dimensions (LWD): 5" (127mm) x 3.5" (88.9mm) x 2.125" (53.9mm)

OPTIONAL:

Sample test chamber, Model HTSC
Field replaceable calibrated sensor: FRSHT field replaceable for the HT120
FRSHTP field replaceable for the HTP120
FRSHTB field replaceable for the HTB120

POWER REQUIREMENTS: 18 to 30Vdc, unregulated, 50 mA max



Field replaceable calibrated sensor tips in 4 easy steps