## HT120 SERIES

## 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 psychometric 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 <sup>3</sup>/<sub>4</sub> 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)

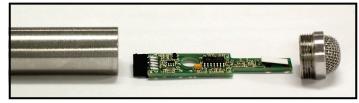
**OPTIONAL:** 

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



Toll Free: 800-276-3729 Ph: 508-263-5900 Fax: 508-486-9348 E-mail: h2o@edgetech.com Web: www.edgetech.com