

# HTPB SERIES

## Humidity Probes



### HTPB Series

HTPB series is a family of humidity probes that offers a variety of measurement parameters with precision accuracy: RH, temperature, dew point, pressure (psia), ppmv, ppmw, gr/lbs, etc. The probe is easily adaptable for most applications including high temperature and high pressure conditions.

**HT75** - Humidity/temperature stainless steel probe with a stainless steel sinter filter, RS232 and 0-10Vdc outputs, RH measurement range is 5 to 95% with an accuracy of +/-1%, operating temperature -20C to 75C, dew point range 30 to -60C, default outputs: RH, temperature and dew point

**HTB75** - Humidity/temperature/barometric pressure stainless steel probe with a stainless steel sinter filter, RS232 and 0-10Vdc outputs, RH measurement range is 5 to 95% with an accuracy of +/-1%, pressure range is (barometric pressure, 300-1100mb, operating temperature -20C to 75C, default outputs: RH, temperature and pressure

**HTP 55** - Humidity/temperature/high pressure stainless steel probe with a stainless steel sinter filter, RS232 and 0-10Vdc outputs, RH measurement range is 5 to 95% with an accuracy of +/-1%, pressure range is 0-200psia, operating temperature -20 to 55C, default outputs: RH, temperature and pressure

**HT115** - A remote (6ft cable) humidity/ high temperature stainless steel probe with a stainless steel sinter filter, RS232 and 0-10Vdc outputs, RH measurement range is 5 to 95% with an accuracy of +/-1%, operating temperature -20C to 115C, default outputs: RH, temperature and dew point-DIS option included

**HTB115** - A remote (6ft cable) humidity/ high temperature/barometric pressure stainless steel probe with a stainless steel sinter filter, RS232 and 0-10Vdc outputs, RH measurement range is 5 to 95% with an accuracy of +/-1%, pressure range is (barometric pressure, 300-1100mb, operating temperature -20C to 115C, default outputs: RH, temperature and pressure, DIS option included.

**HT115N** - A remote (6ft cable) humidity/ high temperature stainless steel probe with a stainless steel sinter filter, RS232 and 0-10Vdc outputs, RH measurement range is 5 to 95% with an accuracy of +/-1%, operating temperature -20C to 115C, default outputs: RH, temperature and dew point

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### Specification:

0-10Vdc, RS232 outputs

18-30Vdc power

Programmable scaling and selectable measurement parameters through RS232 serial port

Wall(W), Remote (R), pipe (P) 3/4" thermocouple bore through compression fitting and duct (D)mount configurations-need to specify the mounting configuration at the time of order

Accuracy +/- 1% nominal

Standard 6 ft cable length

Stain less steel sinter filter-removable

Options:

DIS display, 4-20mA , RS232 and 2 programmable alarm relays (1 Form A (NO) 3A/250Vac

FRSHT75 field replaceable sensors module for RH/T interchangeability accuracy to published spec

FRSHTP55 field replaceable sensor module with RH/T/P interchangeability accuracy to published spec

Sensor Dimensions:

Width 3/4" OD  
Length 8"