

# 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 3 0-10Vdc outputs, RH measurement range is 5 to 95%RH with an accuracy of +/-1%, operating temperature range -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 3 0-10Vdc outputs, RH measurement range is 5 to 95%RH with an accuracy of +/-1%, pressure range is (barometric pressure) 300-1100mb, operating temperature range -20C to 75C, default outputs: RH, temperature and pressure.

**HTP55 - Humidity/ temperature/ high pressure** stainless steel probe with a stainless steel sinter filter, RS232 and 3 0-10Vdc outputs, RH measurement range is 5 to 95%RH with an accuracy of +/-1%, pressure range is 0-200psia, operating temperature range -20 to 55C, default outputs: RH, temperature and pressure.

**HT115N - A remote (6ft cable) humidity/ high temperature** stainless steel probe with a stainless steel sinter filter, and housing enclosure for the electronics, RS232, 3 0-10Vdc outputs, RH measurement range is 5 to 95%RH with an accuracy of +/-1%, operating temperature range -20C to 115C, default outputs: RH, temperature and dew point.

**HT115 - A remote (6ft cable) humidity/ high temperature** stainless steel probe with a stainless steel sinter filter, RS232, RH measurement range is 5 to 95%RH with an accuracy of +/-1%, operating temperature -20C to 115C, **DIS** (display, 3 4-20mA, 2 programmable alarms) option included, default outputs: RH, temperature and dew point.

**HTB115 - A remote (6ft cable) humidity/ high temperature/ barometric pressure** stainless steel probe with a stainless steel sinter filter, RS232, RH measurement range is 5 to 95%RH with an accuracy of +/-1%, pressure range is (barometric pressure) 300-1100mb, operating temperature -20C to 115C, **DIS** (display, 3 4-20mA, 2 programmable alarms) option included, default outputs: RH, temperature and pressure.

## HTPB Series



### Specifications:

3 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 available.

Accuracy +/- 1% nominal

Standard 6 ft cable length

Stainless steel sinter filter-removable

Pressure: up to 200psia

### Options:

**DIS** **Display:** Three 4-20mA, RS232, and 2 programmable alarm relays (1 Form A (NO) 3A/250VAC)

**FRSHT75** **Field Replaceable Sensor Module** for HT series, interchangeability  
Accuracy to published specification

**FRSHTP55** **Field Replaceable Sensor Module** for HTP series, interchangeability  
Accuracy to published specification

### Sensor Dimensions:

Width 3/4" OD  
Length 8"

