

# IMMERSION TEMPERATURE

- Spring Loaded
- Moisture sealed
- Hinged cover case
- Platinum RTD or Thermistor

## Fast response with spring loading

This probe is used to measure the temperature of fluids or gases in pipes. We spring load these probes to provide a good thermal contact with the base of the mating thermowell ensuring fast and accurate measurements. The temperature sensor which is PC board mounted for better reliability is potted in heat transfer compound for rapid response and vibration protection. Our molded case with hinged cover is easy to install. It is designed to accept a 2-wire transmitter.

**Matched Pairs:** On request 1/3 DIN RTD's provide 1/10th deg C accuracy for energy consumption calculations.

## TECHNICAL DATA

**Platinum RTD's** are the most stable temperature sensors between -50 and 400C. They show almost no calibration drift with time. Their stability, wide temperature range and almost linear output make them the choice in demanding applications.

**NTC Thermistors** are the most sensitive sensors known for measurements from -50C to +150C. Their temperature coefficient can be as high as several percent per degree C. This means that lead resistance from installation of thermistors in remote areas has minimal effect on accuracy.

## ORDERING DATA

**TS - P - (                    ) - (                    ) - (                    )**

thermowell length in inches	sensor type R = RTD T = Thermistor	sensor value 100 = 100 ohms 10K = 10k ohms
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e.g. TS-P-4-T-10K Immersion sensor, for 4" thermowell with 10K thermistor



## Retrofit Work

Our step down adaptor model BUSHING-8-W, allows fast and easy retrofitting of new sensors to older systems with installed pipe thermometers or bulb and capillary thermometers. This is a brass step-down bushing to reduce the 1-1/4-18 UNEF thread commonly used on these older systems to the 1/2" NPT thread used by our pipe thermometers. Each is supplied with a brass sleeve to adapt the 1/4" stem to the the 0.385 bore of the well.



**Operating Temperature** The construction of these sensors limits their maximum operating temperature to 105C.

# ENERCORN

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