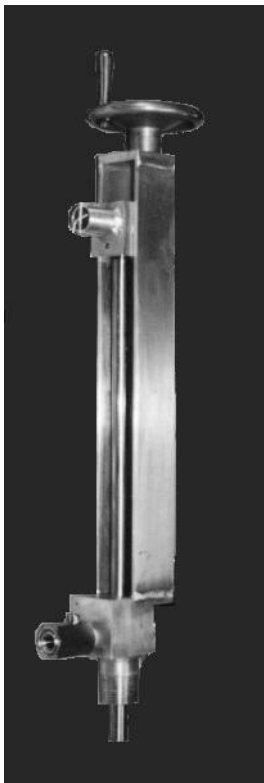


InFLOW, INC.

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INSERTION TEMPERATURE SENSOR / TRANSMITTER

InFLOW, INC. announces the availability of its new line of unique Hot Tappable insertion style temperature sensor / transmitters. Ideal for HVAC applications, now there is a solution to fitting existing lines with temperature sensors without shutting down service. In addition, for lines that are to be “pigged”, the unit can be retracted during those service times. These units can be fitted with thermocouple, thermistor, or RTD temperature sensors. They are available with a simple terminal strip or with an analog or SMART transmitter. The units can be used on liquids as well as gases, indoors or out, and are available with many industry standard options.



The *Model ITS* includes a stainless steel jack screw to insert and remove the temperature sensor up to 4” (100mm) into the pipe. The standard retractor housing is from aluminum although SS is also available. Bronze bushings are used to minimize lubrication requirements. Double o-ring seals are used for positive sealing. A vent valve is included for pressure release if the unit is to be removed.

For gas applications the sensor can be a direct immersion style, giving the fastest response. For liquids or heavy duty applications, the sensor can be enclosed in an integral SS sheath. Typically the sensor is tip sensitive to provide good isolation from the pipe and external environment. The sensor can be virtually any type including; thermocouple, thermistor, and RTD.

The *Model ITS* is available with a simple terminal strip for direct connection to receiving electronics that can take an unamplified signal. In addition, options are available for analog and SMART type transmitters. All outputs can be ordered in an NEMA weatherproof, NEMA 4X, or NEMA XP enclosure.

The *Model ITS* is mounted using a standard 3/4” (or 1”) weld fitting, and requires a 5/8” hole into the pipe. Brass or SS block valves are available to complete the installation.

GENERAL SPECIFICATIONS:

Fluids:	Lower viscosity liquids & gases compatible with SS
Max fluid velocity:	Application dependent, typically to 20 Ft/sec (6 M/sec) on water
Sensor:	Thermocouple, thermistor, or RTD
Retractor travel:	10” (250mm)
Insertion depth:	4” (100mm) with standard block valve, typical
Line Temperature:	250 F (121 C) AL construction, consult factory for SS version
Ambient Temperature:	-40 / 140 F (60 C)
Line Pressure:	250 psiG (17.2 BarG) AL version, consult factory for SS version
Mounting:	3/4” Weld fitting, 1” optional
Line Size:	3/4” and larger
Output:	Terminal strip or optional preamplifier

Instrumentation * Controls * Systems * Design * Fabrication