

# TEMPERATURE TRANSMITTERS/SWITCHES

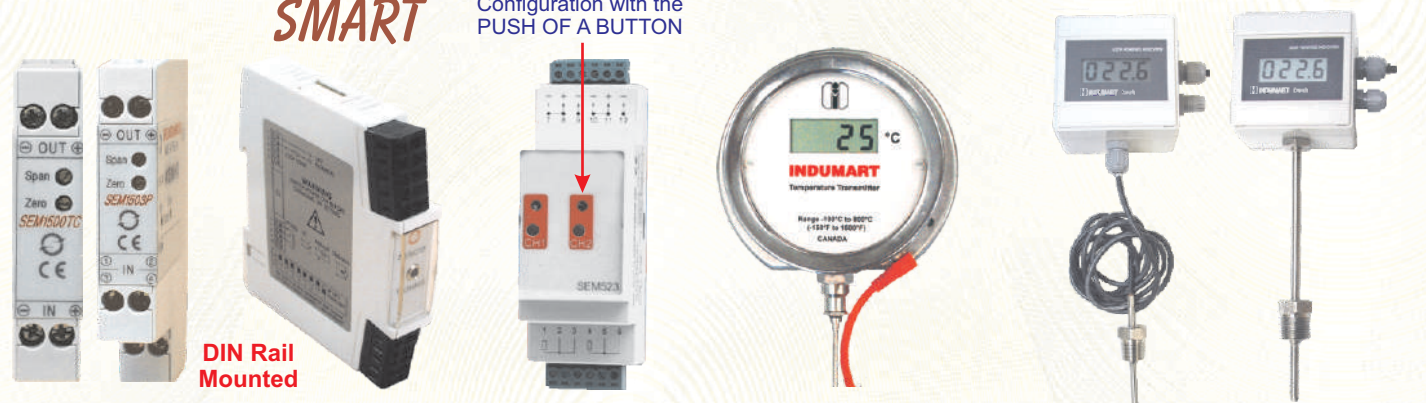


**TEMP. TRANS. (SEM104)**  
RTD or Thermocouple Input  
Changeable Measuring Range

**TEMP. TRANS. (SEM203)**  
RTD or Thermocouple Input  
No PC or Soldering for Config.

**TEMP. TRANS. (SEM210)**  
RTD, T/C or mV Input  
Galvanic Isolation - PC Programmable

**TEMP. TRANS. (SEM310)**  
HART Protocol, Universal Input  
Galvanic Isolation - Sensor Detect



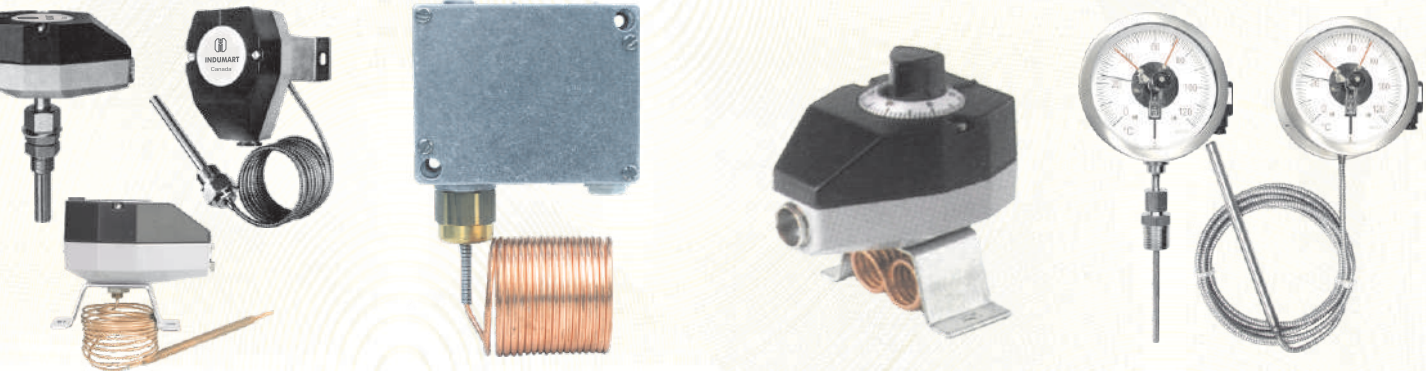
**TRANS. (SEM1500)**  
RTD or T/C Input  
Galvanic Isolation

**TRANS. (SEM215)**  
Universal Input  
Galvanic Isolation

**TRANS. (SEM523)**  
2 RTD Inputs  
Two 4-20 mA Outputs

**TEMP. TRANS. (DTT50)**  
All St. St., 4-Digit Indication  
-100 up to +800°C - °F or °C

**TEMP. TRANS. & SWITCH (TST300)**  
Direct or Remote Mounting; IP-65  
In: RTD or T/C; Out: mA & 2 Contacts



**INDUSTRIAL THERMOSTATS**  
20...110°C, 20...150°C & 40...300°C  
Highly Vibration Resistant Models

**FROST PROTECTION SWITCH**  
3m or 6m Capillary; Adjustable ΔT  
Switching: -5...+15°C Adjustable

**AMBIENT THERMOSTATS**  
Int. or Ext. Setpoint Adjustments  
Adjustable ΔT; -30 to +60 °C

**INDICATING TEMP. SWITCH**  
Case, Stem & Protection: St. Steel  
4" & 6" Case; 1 to 4 Contacts



**HUMIDITY / TEMP. TRANS.**  
Relative Humidity & Temp. Inputs  
2(4-20 mA) Outputs; up to 140°C

**HANDHELD THERMOMETER/HUMIDITY METER**  
Range: -100 to 1800°C; High Accuracy; 6-digit Indication  
Input: 2 Temp. & Differential or 1 Temp. & 1 Relative Humidity

**RTD & T/C ASSEMBLIES**  
All Types of RTD & T/C Probes  
Machine-drilled Thermowells

# PRESSURE TRANSMITTERS/SWITCHES



**PRESS. TRANS. (PTF106)**  
4-20 mA Output; 1/4" Connection  
316L St. St. Body & Connection

**PRESS. TRANS. (PTF110 & PTF112)**  
4-20 mA Output; St. Steel  
Zero & Span Adjustments

**PRESS. TRANS. (PTF115)**  
4-20 mA Output; St. Steel  
Zero & Span Adjustments

**PRESS. TRANS. (PST400)**  
Output: 4-20 mA or Volt, 2 Relays  
Indicates Pressure & Temperature

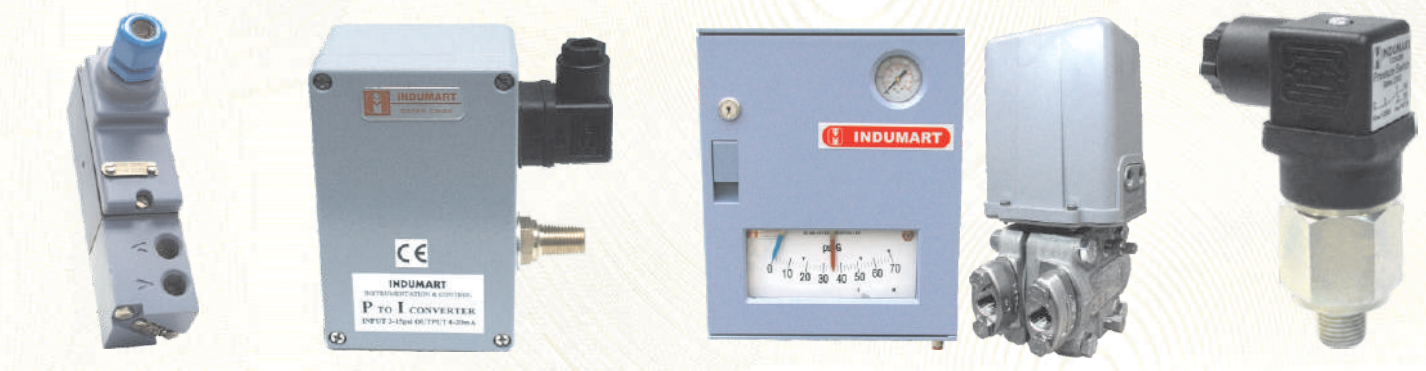


**PRESS. TRANS. (DGT50)**  
St. Steel Case & Wetted Parts  
10:1 Turn-down Ratio; 0.2% Acc.

**PRESS. TRANS. (PTE215)**  
10:1 Turn-down Ratio; Intrinsic Safe  
Indicates Pressure, Temperature & %

**PTS320**  
Smart Pressure Transmitter  
Absolute or Gauge Pressure

**DTS330**  
Smart Differential Pressure Trans.  
Intrinsically Safe or Explosion Proof

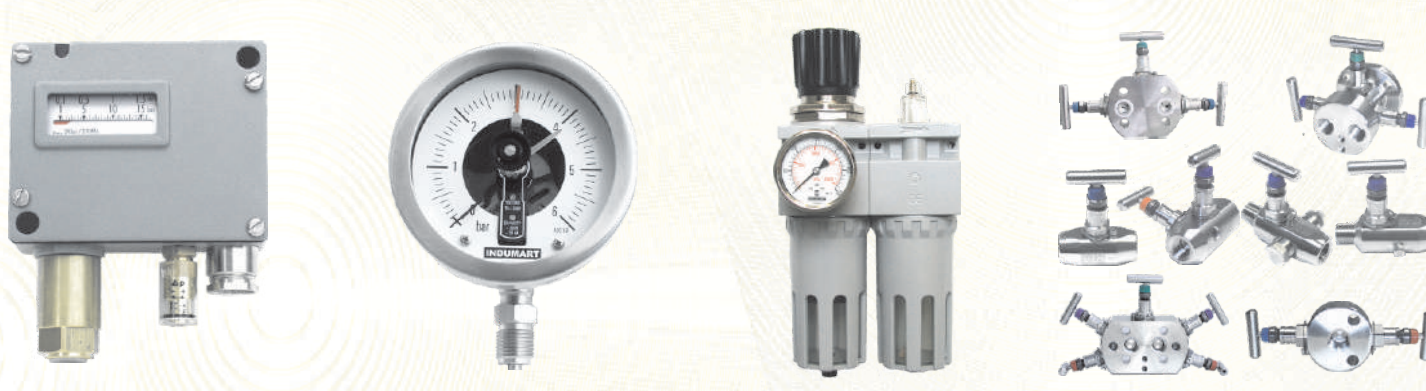


**I/P CONVERTER (ITP205)**  
Converts Current to Pressure  
In: 4-20 mA; Out: 3-15 psi

**P/I CONVERTER (PTI807)**  
Converts Pressure to Current  
In: 3-15 psi; Out: 4-20 mA

**PNEUMATIC TRANSMITTERS**  
Input: Press., Diff. Press., Temp., Flow  
Pneumatic Output: 3-15 psi or others

**PRESS. SWITCH (2000)**  
Up to 1500 psi & 120°C; 1/4"  
Diaphragm; Adjust. Hysteresis



**PRESS. SWITCH (PSM210)**  
Adjustable Hysteresis & Setpoint  
IP-65; St. St. or Bronze Sensor

**INDICATING PRESS. SWITCH**  
Case: St. Steel, 100 or 160 mm Dia.  
St. St. or Brass Sensor; 1 to 4 Switches

**AIR SYSTEM EQUIPMENT**  
Filter, Regulator & Lubricator  
High flow, Low pressure drop

**VALVE MANIFOLDS**  
1, 2, 3 & 5 Valve Designs; 6000 psi  
316 St. St.; PTFE or Graphite Packing

# PRESSURE & TEMPERATURE GAUGES



**STANDARD PRESSURE GAUGES**  
Case: Steel, ABS, St. St. - Connection: 1/8", 1/4"  
Dial: 40, 50, 63, 100, 160 and 250 mm

**LIQUID FILLED PRESSURE GAUGES**  
Case: SS - Connection: bottom or back; 1/2", 1/4"  
Dial: 40, 50, 63, 100 and 160 mm

**CAPSULE ELEMENT**  
Element: SS or Brass Bellows  
Dial: 100 and 160 mm



**DIGITAL PRESSURE GAUGE**  
0.2% Accuracy Battery-operated  
Case: St. Steel Dial: 100 mm

**ALL ST. STEEL FILLABLE**  
Dial: 50, 63, 80, 100 & 160 mm  
Range: Vac. & up to 60,000 psi

**SOLID FRONT GAUGE**  
Case: Phenolic or St. Steel  
Full Blowout Back & Baffle Wall

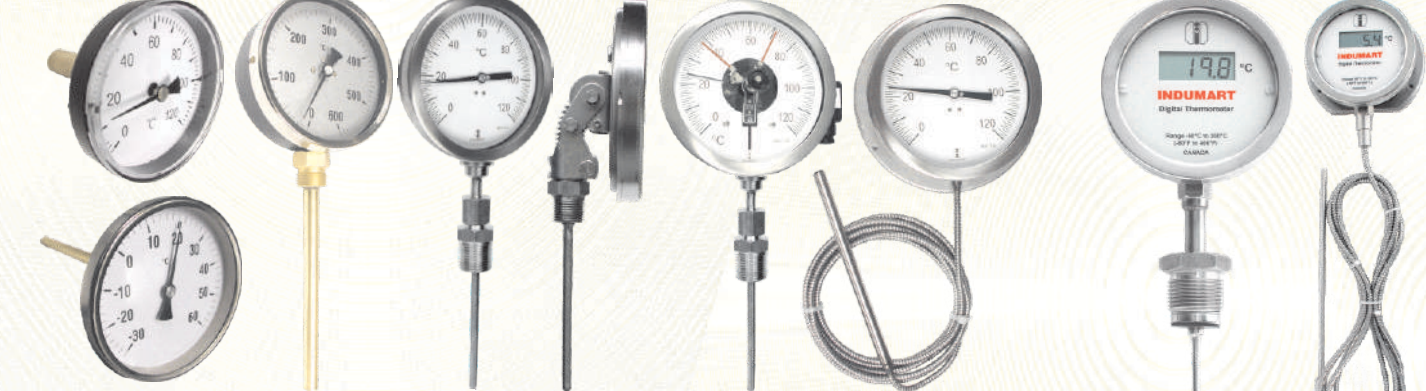
**TEST PRESSURE GAUGE**  
Accuracy: 0.5%, 0.25% & 0.1%  
Dial: 160mm mirrored scale



**DIFFERENTIAL PRESSURE GAUGES**  
Element: Diaphragm or Bourdon Tube or Piston  
Dial: 50, 63, 80, 100, 125, 160 mm; 2 Contacts (Op)

**CONTACT PRESSURE GAUGE**  
Case: St. Steel - Dial: 100 & 160 mm  
Up to 4 Contacts - Liquid Filling Option

**DIAPHRAGM-TYPE CHEMICAL SEALS**  
Material: 316 St. Steel, Hastelloy, Monel, Teflon Coated  
Max. Pressure: 6,000 psi Min/Max Temp.: -40/400°C



**STANDARD & HEAVY-DUTY THERMOMETERS (back, bottom & everyangle connections)**  
Case: St. Steel, Painted Steel or ABS; Element: Bimetal Coil or Bourdon Tube (Gas-filled); -200...+650°C  
Dial: 63, 80, 100, 125, and 160 mm; Connection: 1/2" NPT or BSP Fixed or Adjustable; Liquid Filling & Contacts

**DIGITAL THERMOMETERS**  
Very Accurate - Battery-powered (AA)  
°C or °F Selectable - IP67 Enclosure

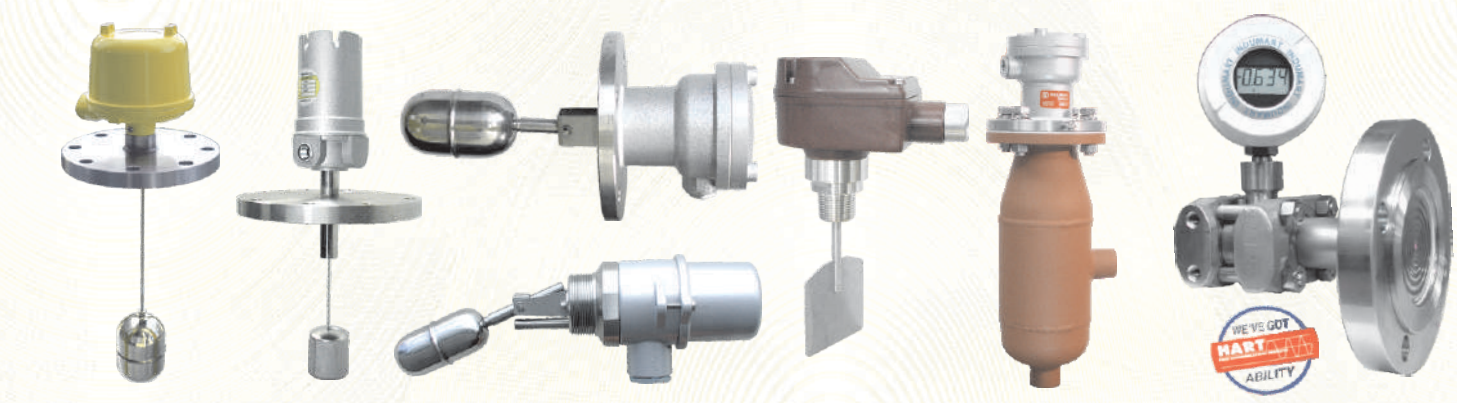
# LEVEL, FLOW, ANALYTICAL INSTRUMENTS & VALVES



**ULTRASONIC LEVEL TRANS. (SOLID OR LIQUID)**  
Liquid Level, Space, Diff. Level, Flow & Volume - 0.3 to 15m  
Solid Applications: Granule or powder - 50m - HART Comm.

**SUBMERSIBLE LEVEL TRANS.**  
Ranges: 0...1 mH2O to 0...400 mH2O  
Material: 316 St. St. Output: 4...20 mA

**BY-PASS LEVEL INDICATOR**  
Press. & Temp.: Up to 1450 psi & 400°C  
Options: Magnetic Switch & Transmitter

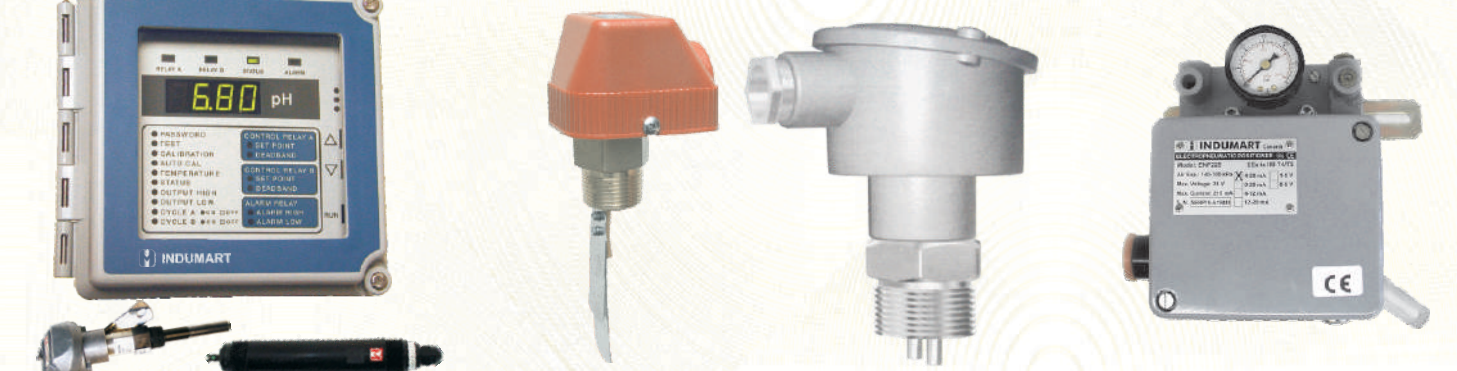


**MAGNET LEVEL SWITCHES**  
Wetted Parts: St. St. Relays: 2 (2A)  
Press.: 1000 psi Temp.: 400°C

Displacement Type  
Magnetic Float Type  
Paddle Type Level Sensor

Horizontal Mounting  
Vertical Mounting  
Complete with Chamber

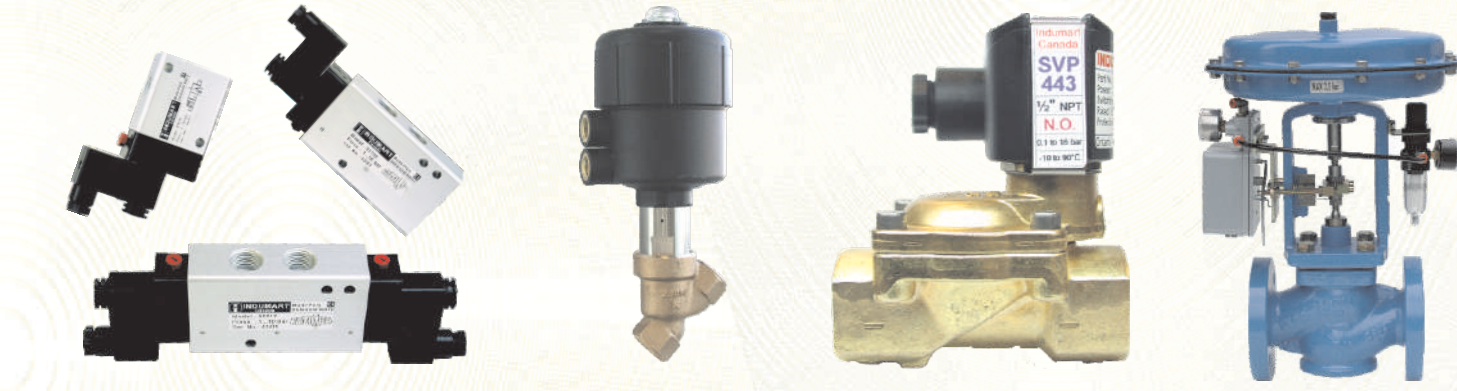
**SMART LEVEL TRANSMITTER**  
Span: 0.15 to 40 mH2O Acc.: 0.1%  
Digital Communication using HART®



**pH OR CONDUCTIVITY TRANSMITTER**  
pH: pH and Temp.; Non-glass Electrode  
Conductivity: Conductivity or Concentration

**FLOW SWITCHES (Paddle & Thermal Types)**  
Adjustable Threshold & Sensitivity  
Up to 110°C and 360 psi (25 bar)

**VALVE POSITIONERS**  
Pneumatic or Electro-pneumatic; mA or V  
Single or Double Acting; Zero & Span Adj.



**MULTIPORT SOLENOID VALVES**  
3/2, 4/2, 5/2 & 5/3 Ways; 1/4", 1/2" & 3/4" Ports  
With One or Two Solenoid(s); 150 psi (10 bar)

**ANGLE SEAT VALVE**  
Pressure Actuated - 1/2" to 2"  
-10 to 180°C - Up to 360 psi

**SOLENOID VALVE**  
Brass or SS, 1/2" to 2"  
Up to 600 psi and 200°C

**CONTROL VALVE**  
SS or Steel Globe Valves  
Size: 1/2" to 12"