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# The best SOLUTION

For Pressure, Temperature, Flow, Level and Gas Measurement

**WISE**  
WISE CONTROL INC.

**WISE**® 주식회사 와이즈컨트롤  
WISE CONTROL INC.

**YONGIN PLANT**  
경기도 용인시 기흥구 약정대로 2022  
(446-905) 2022, Deogyong-daero, Gheung-gu,  
Yongin-si, Gyeonggi-do, Korea  
Tel. 82-31-280-5114 Fax: 82-31-283-9800  
HP: www.wisecontrol.com  
PRODUCT: Measuring instruments

**PAJU PLANT**  
경기도 파주시 탄현면 한북산길 149  
(413-841) 149, Hanboksan-gil, Tanhyeon-myeon,  
Paju-si, Gyeonggi-do, Korea  
Tel. 82-32-674-7232 Fax: 82-32-673-2238  
PRODUCT: Power transmission line hardware

**BUCHEON PLANT**  
경기도 부천시 소사구 경인로 392길 46 소사프리자 204호  
(422-230) Sosa plaza 204, 46, 392 beon-gil, Gyeongin-ro  
Sosa-gu, Bucheon-si, Gyeonggi-do, Korea  
PRODUCT: General Service Pressure gauge

**HWASEONG PLANT**  
경기도 화성시 마도면 마도공단로 4길 5  
(445-861) 5, Madongongdan-ro 4-gil, Mado-myeon,  
Hwaseong-si, Gyeonggi-do 445-861, Korea  
Tel. 82-31-366-9237 Fax: 82-31-366-9238  
PRODUCT: Level Gauge & Flow Elements

**INCHEON PLANT**  
인천광역시 남동구 논곡로 34  
(405-100) 34, Nongok-ro, Namdong-gu, Incheon, Korea  
Tel. 82-32-812-6229 Fax: 82-32-812-6559  
PRODUCT: Bellows

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For more 50 years the name WISE has been standing for innovation and quality in the field of pressure, temperature, flow, level and gas measurement. WISE is comprised of several products divisions, state-of-the-art manufacturing facilities, service center and over 60 distributors worldwide.

WISE is unique organization of individuals linked by the pursuit of excellence in product design, manufacture, service and distribution. Major markets are served by WISE including the power generating industry, oil & gas, petrochemical and chemical processing, the pulp & paper industry, semiconductor manufacturing, the metallurgical industry, biopharmaceutical and food & beverage industry. WISE will continue its efforts to make WISE products an integral part of the development plans of its customers. The new and exciting challenges will be met by building on a successful part rooted in recognizing and responding to customer needs, designing and producing quality products to meet those needs, proving premier customer service, and building strong & lasting business relationship.




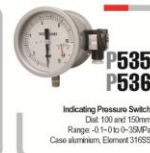

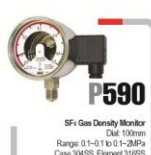

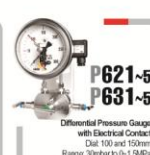
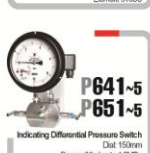











2012. 08. 30.005 (9:54:58) Tel. 02-3273-3528

# PRESSURE Instruments

<p><b>P110</b> General Service Pressure Gauge Dial: 40, 50, 60, 75, 100, 150 and 200mm Range: -0.1 to 0-100MPa Case: steel, Element: 316SS</p>	<p><b>P111</b> Aerospace Service Pressure Gauge Dial: 75 and 100mm Range: -0.1 to -1, 1.5, 20MPa Case: steel, Element: 316SS</p>
<p><b>P112</b> Freon Gas Service Pressure Gauge Dial: 60 and 75mm Range: -0.1 to 0-2.5MPa Case: steel, Element: brass</p>	<p><b>P140</b> General Service Pressure Gauge Dial: 60 and 100mm Range: -0.1 to 0-20MPa Case: polycarbonate, Element: brass</p>
<p><b>P163</b> Heavy Duty Service Pressure Gauge Dial: 80mm Range: -0.1 to 0-25MPa Case: Inconel, Element: brass</p>	<p><b>P170</b> Low Cost Diaphragm Seal Type Pressure Gauge (alkali water line) Upper range, under Range: 304SS Diaphragm: 316L SS Range: 0-10MPa</p>
<p><b>P221</b> Industrial Service Pressure Gauge Dial: 40, 50mm Range: 0-0.2, 0.4, 0.6, 1, 1.5MPa Case: 304SS, Element: 316SS</p>	<p><b>P222</b> Industrial Service Pressure Gauge Dial: 4 1/2 inch (125mm) Range: -0.1 to 0-20MPa Case: 304SS, Element: 316SS</p>
<p><b>P228</b> Receiver Gauge Dial: 100 and 150mm Range: 0-10 square root, 0-100% Case: 304SS, Element: 316SS</p>	<p><b>P229</b> Test Pressure Gauge Dial: 100mm Range: -0.1 to 0-0.1, 0-20MPa Case: 304SS, Element: 316SS</p>

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<p><b>P235S P235B</b> Miniature Pressure Gauge Dial: 30mm Range: 0-12 to 0-3.5MPa P235S: Case: 304SS, Element: 316SS P235B: Case: 304SS, Element: brass</p>	<p><b>P239</b> Test Pressure Gauge Dial: 150mm and 200mm Range: 0-40MPa, 0-100MPa Case: 304SS, Element: 316SS Case: aluminum 2500, Element: 316SS</p>	<p><b>P252</b> Industrial Service Pressure Gauge Dial: 63 and 90mm - 0.1 to 0-10MPa Dial: 100 and 150mm - 0.1 to 0-20MPa Case: 304SS, Element: 316SS or spray</p>	<p><b>P253</b> Industrial Service Pressure Gauge Dial: 63mm - 0.1 to 0-20MPa Dial: 100 and 150mm - 0.1 to 0-10MPa Case: 304SS, Element: Cu Alloy 2090</p>
<p><b>P254</b> General Liquid Filled Pressure Gauge Dial: 60, 75 to 100mm Range: -0.1 to 0-20MPa Case: 304SS, Element: brass</p>	<p><b>P257</b> Solid Front Safety Pressure Gauge Dial: 63, 100 and 150mm Range: -0.1 to 0-20MPa Case: 304SS, Element: 316SS</p>	<p><b>P258</b> Liquid Filled Industrial Pressure Gauge Dial: 63 and 90mm - 0.1 to 0-10MPa Dial: 100 and 150mm - 0.1 to 0-20MPa Case: 304SS, Element: 316SS or spray</p>	<p><b>P259</b> Liquid Filled Industrial Pressure Gauge Dial: 63mm - 0.1 to 0-20MPa Dial: 100 and 150mm - 0.1 to 0-10MPa Case: 304SS, Element: Cu Alloy 2090</p>
<p><b>P330</b> Process Industry Pressure Gauge Dial: 150mm Range: -0.1 to 0-20MPa Case: aluminum, Element: 316SS</p>	<p><b>P336 P338</b> Duplex Pressure Gauge Dial: 100mm P336 (110W) x 110(H)mm Range: -0.1 to 0-3.1MPa Case: aluminum, Element: 316SS</p>	<p><b>P339</b> Safety Pattern Pressure Gauge Dial: 125mm Range: -0.1 to 0-20MPa Case: aluminum, Element: 316SS</p>	<p><b>P359</b> Solid Front Safety Pattern Pressure Gauge Dial: 125mm Range: -0.1 to 0-20MPa Case: PTFE, Element: 316SS</p>
<p><b>P359</b> Solid Front Safety Pattern Pressure Gauge Dial: 125mm Range: -0.1 to 0-20MPa Case: PTFE, Element: 316SS</p>	<p><b>P410 P420</b> External Adjustable Type Dial: 125mm Range: -0.1 to 0-20MPa Case: PTFE, Element: 316SS</p>	<p><b>P421</b> Low Pressure Gauge Dial: 75, 100 and 150mm Range: 50-0 to 0-50MPa Case: 304SS, Element: 316SS, Material: Brass</p>	<p><b>P422</b> Low Pressure Gauge Dial: 80, 100 to 150mm Range: 20-350bar Case: 304SS, Element: 316SS, Material: 316SS</p>
<p><b>P428 P429</b> Diaphragm Type Low Pressure Gauge Dial: 100 and 150mm Range: -30 to 0-35MPa Element: 316L SS</p>	<p><b>P430</b> Low Pressure Gauge Dial: 100 and 150mm Range: -30 to 0-35MPa Case: aluminum - Element: 316L SS</p>	<p><b>P440</b> Low Pressure Gauge with Cr Plated Steel Case Dial: 63, 75 and 100mm Range: 50-0 to 0-50MPa Element: beryllium copper</p>	<p><b>P500</b> Inductive Contact Type Pressure Gauge Dial: 100 and 150mm Range: -0.1 to 0-20MPa Element: 316SS</p>

 <p><b>P510</b> Electrical Contact Pressure Gauge Modular System Dial: 100 and 150mm Range: 0-1 to 0-20MPa Element: 316SS</p>	 <p><b>P520</b> Electrical Contact Pressure Gauge Dial: 100mm Range: 0-1 to 0-20MPa Element: 316SS</p>	 <p><b>P530</b> Electrical Contact Pressure Gauge Dial: 100 and 150mm Range: 0-1 to 0-100MPa Case: aluminium, Element: 316SS</p>	 <p><b>P535 P536</b> Indicating Pressure Switch Dial: 100 and 150mm Range: 0-1 to 0-20MPa Case: aluminium, Element: 316SS</p>
 <p><b>P542</b> Electrical Contact Pressure Gauge with Cr Plated Zn Case Dial: 100 and 150mm Range: 0-1 to 0-10MPa Element: 316SS</p>	 <p><b>P590</b> SF6 Gas Density Monitor Dial: 100mm Range: 0-1 to 1 to 0-1.2MPa Case: 316SS, Element: 316SS</p>	 <p><b>P620 P630</b> Differential Pressure Gauge Dial: 100 and 150mm Range: 0-1MPa to 0-1.5MPa Case: 316SS, Element: 316, SS</p>	 <p><b>P621-5 P631-5</b> Differential Pressure Gauge with Electrical Contact Dial: 100 and 150mm Range: 0-1 to 0-1.5MPa Case: 316SS, Element: 316, SS</p>
 <p><b>P641-5 P651-5</b> Indicating Differential Pressure Switch Dial: 150mm Range: 0-1 to 0-1.5MPa Case: aluminium, Element: 316, SS</p>	 <p><b>P710 P720 P730</b> Diaphragm Seal Type Pressure Gauge Dial: 63, 80, 100 and 150mm Range: 0-1 to 0-1.5MPa Flange: 316SS, 316SS/316L, SS Diaphragm: 316, SS</p>	 <p><b>P711</b> Diaphragm Seal Type Pressure Gauge for Chlorination Upper Range, under range: 316, SS Diaphragm: tantalum Dial: 63, 80 to 100mm Act: resistance-painting Range: 0-1 to 0-1.5MPa</p>	 <p><b>P711</b> Diaphragm Seal Type Pressure Gauge Upper Range, under range: PVC Diaphragm: Teflon Range: 0-1 to 0-1.5MPa</p>
 <p><b>P751</b> Sanitary Pressure Gauge DIN Nut Type Dial: 63, 80 and 100mm Range: 0-1 to 0-10MPa Element: 316SS</p>	 <p><b>P752</b> Sanitary Pressure Gauge P751: Nut type / P752: Tri-clamp type Dial: 63, 80 and 100mm Range: 0-1 to 0-10MPa Element: 316, SS</p>	 <p><b>P753</b> Sanitary Pressure Gauge Dial: 63 and 100mm Range: 0-2 to 1-20MPa Element: 316SS</p>	 <p><b>P753 P754</b> Sanitary Pressure Gauge P753: Male case type / P754: Cocking type Dial: 63, 80 and 100mm Range: 0-1 to 0-20MPa Element: 316, SS</p>
 <p><b>P740</b> High Temperature Pressure Gauge Dial: 100mm Pocket: 80, 100 and 150mm Range: 10-50MPa Element: 316, SS</p>	 <p><b>P752</b> Sanitary Pressure Gauge Dial: 63, 80 and 100mm Range: 0-1 vacuum to 10MPa Element: 316, SS</p>	 <p><b>P755 P756</b> Sanitary Pressure Gauge P755: Homogenizer type / P756: Homogenizer type Dial: 100mm Range: 10-50MPa Element: 316, SS</p>	 <p><b>P757</b> Sanitary Pressure Gauge Dial: 63, 80 and 100mm Range: 0.6 to 2-20MPa Element: 316, SS</p>

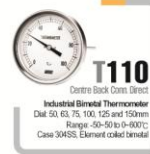
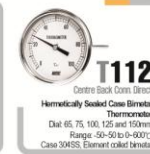

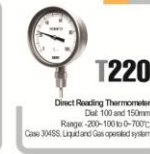
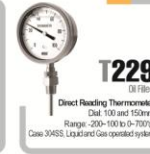






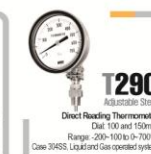

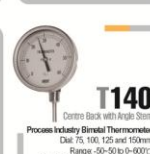


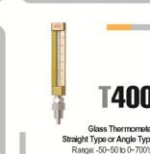




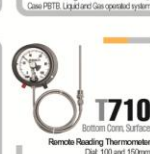
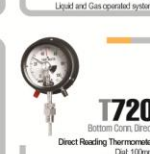




 <p><b>P771 P772</b> Dry Type Diaphragm Pressure Gauge Dial: 100mm and 150mm Range: 0-1MPa to 0-4MPa (Range 150mm) Range: 0-10MPa to 0-20MPa (Range 100mm) Diaphragm Mat.: 0-0.6MPa (0.1MPa) -0.6MPa (durahem NiCo alloy)</p>	 <p><b>P810 P820 P830</b> Ultra High Purity Pressure Gauge Dial: 50 and 63mm Range: 0-1 to 0-20MPa Element: 316, SS</p>	 <p><b>P840</b> Ultra High Purity Pressure Switch Dial: 50mm Range: 0-1 to 0-20MPa Element: 316, SS</p>
 <p><b>PT840</b> Ultra High Purity Pressure Gauge with Transmitter Dial: 50mm Range: 0-1 to 0-20MPa Element: 316, SS</p>	 <p><b>P870</b> Anti-corrosion Pressure Gauge Dial: 50mm Range: 0-1 to 0-10MPa Case: PP resin, Element: Inconel 690</p>	

ACCESSORIES

 <p><b>A070</b> Gauge Protector (Ballers Type) Body mat: 316, SS Blank: 316, SS Accuracy: ±10% Range: 0-10MPa</p>	 <p><b>A070(N) A070(H)</b> Gauge Protector Body mat: 316, SS Accuracy: ±10% Range: 0.5 to 40MPa</p>	 <p><b>A070(P) A070(L)</b> Gauge Protector Body mat: 316, SS Accuracy: ±10% Range: 10 to 40MPa</p>	 <p><b>A080(W) A080(T) A080(F)</b> Max. Working pressure: 4MPa Max. Working temperature: 260°C Packing: PTFE and graphite</p>	 <p><b>A090</b> Sunshade SS200: 200x370x125 SS410: 160x250x170 Mat: GRP / FRP</p>	 <p><b>PTFE Lined Instrument Tee</b> Fixed Range: DN20-DN600 Mat: A105, SS304</p>
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TEMPERATURE Instruments

 <p><b>T110</b> Centre Back Conn. Direct Industrial Bimetal Thermometer Dial: 50, 63, 75, 100, 125 and 150mm Range: -50 to 0 to 0-600°C Case: 316SS, Element: colled bimetal</p>	 <p><b>T112</b> Centre Back Conn. Direct Hermetically Sealed Case Bimetal Thermometer Dial: 65, 75, 100, 125 and 150mm Range: -50 to 0 to 0-600°C Case: 316SS, Element: colled bimetal</p>	 <p><b>T219</b> Oil Filled Remote Reading Thermometer Dial: 100 and 150mm Range: -200 to 100 to 0-700°C Case: 316SS, Liquid and Gas operated system</p>	 <p><b>T220</b> Oil Filled Direct Reading Thermometer Dial: 100 and 150mm Range: -200 to 100 to 0-700°C Case: 316SS, Liquid and Gas operated system</p>	 <p><b>T229</b> Oil Filled Direct Reading Thermometer Dial: 100 and 150mm Range: -200 to 100 to 0-700°C Case: 316SS, Liquid and Gas operated system</p>	 <p><b>T230</b> Bottom Conn. Surface Remote Reading Thermometer Dial: 100 and 150mm Range: -200 to 100 to 0-700°C Case: 316SS, Liquid and Gas operated system</p>
 <p><b>T114</b> Centre Back Conn. Direct General Service Bimetal Thermometer Dial: 63, 80, 100, 125 and 150mm Range: 0-50 to 0-300°C Case: Cr plated steel Element: colled bimetal</p>	 <p><b>T120</b> Bottom Conn. Direct Process Industry Bimetal Thermometer Dial: 75, 100, 125 and 150mm Range: -50 to 0 to 0-600°C Case: 316SS, Element: colled bimetal</p>	 <p><b>T239</b> Oil Filled Remote Reading Thermometer Dial: 100 and 150mm Range: -200 to 100 to 0-700°C Case: 316SS, Liquid and Gas operated system</p>	 <p><b>T250</b> Bottom Conn. Direct Direct Reading Thermometer Dial: 100 and 150mm Range: -50 to 0 to 0-600°C Case: 316SS, Liquid and Gas operated system</p>	 <p><b>T263</b> Heavy Duty Service Remote Reading Thermometer Dial: 60mm Range: -50 to 0 to 0-700°C Case: Black finished bronze Liquid and Gas operated system</p>	 <p><b>T290</b> Adjustable Stem Direct Reading Thermometer Dial: 100 and 150mm Range: -200 to 100 to 0-700°C Case: 316SS, Liquid and Gas operated system</p>
 <p><b>T123</b> Bottom Conn. Direct Sanitary Bimetal Thermometer Dial: 75 and 100mm Range: -30 to 120 to 0-600°C Case: 316SS, Element: colled bimetal</p>	 <p><b>T140</b> Centre Back with Angle Stem Process Industry Bimetal Thermometer Dial: 75, 100, 125 and 150mm Range: -50 to 0 to 0-600°C Case: 316SS, Element: colled bimetal</p>	 <p><b>T359</b> Bottom Conn. Direct Safety Pattern Direct Reading Thermometer Dial: 125mm Range: -200 to 100 to 0-700°C Case: PTFE, Liquid and Gas operated system</p>	 <p><b>T360</b> Bottom Conn. Surface Safety Pattern Remote Reading Thermometer Dial: 125mm Range: -200 to 100 to 0-700°C Case: PTFE, Liquid and Gas operated system</p>	 <p><b>T400</b> Straight Type or Angle Type Glass Thermometer Range: -50 to 0 to 0-700°C Case: aluminium alloy Liquid and Gas operated system</p>	 <p><b>T500</b> Bottom Conn. Surface Inductive Contact Type Temperature Gauge Dial: 100mm Range: -50 to 0 to 0-700°C Case: 316SS, Liquid and Gas operated system</p>
 <p><b>T150</b> LIRD Gauge Bimetal Thermometer with Adjustable Bottom/Centre Back Adjustable Stem Dial: 63, 80, 100 and 150mm Range: 70 to 0 to 0-600°C Case: 316SS, Element: colled bimetal</p>	 <p><b>T190</b> Centre Back Adjustable Stem Process Industry Bimetal Thermometer Dial: 75, 100, 125 and 150mm Range: -50 to 0 to 0-600°C Case: 316SS, Element: colled bimetal</p>	 <p><b>T520</b> Bottom Conn. Surface Electrical Contacts Temperature Gauge Dial: 100mm Range: -50 to 0 to 0-700°C Case: 316SS, Liquid and Gas operated system</p>	 <p><b>T710</b> Bottom Conn. Surface Remote Reading Thermometer Dial: 100 and 150mm Range: -50 to 0 to 0-700°C Case: Black finished aluminium Liquid and Gas operated system</p>	 <p><b>T720</b> Bottom Conn. Direct Direct Reading Thermometer Dial: 100mm Range: -50 to 0 to 0-700°C Case: Black finished aluminium Liquid and Gas operated system</p>	
 <p><b>T191</b> Centre Back with Adjustable Stem Hermetically Sealed Case Bimetal Thermometer Dial: 100, 125 and 150mm Range: -50 to 0 to 0-600°C Case: 316SS, Element: colled bimetal</p>	 <p><b>T210</b> Bottom Conn. Surface Remote Reading Thermometer Dial: 100 and 150mm Range: -200 to 100 to 0-700°C Case: 316SS, Liquid and Gas operated system</p>	 <p><b>T751</b> Electrical Contacts and Oil Direct Reading Bimetal Thermometer Dial: 150mm Range: -50 to 0 to 0-700°C Case: 316SS, Element: colled bimetal</p>	 <p><b>T931 T932</b> Indicating Temperature Switch Dial: 150mm Range: -50 to 0 to 0-700°C Case: aluminium Liquid and Gas operated system</p>		



# PRESSURE & TEMPERATURE

## Transmitters



**P72S**  
Explosion Proof Type Pressure Transmitter with Local Display  
0-1 to 0-350bar gauge / absolute



**P74S**  
Explosion Proof Type Pressure Transmitter with Local Display  
0-250mmHg to 70bar gauge / absolute



**P115  
P125**  
Circular Connector Pressure Transmitter  
0-0.5 to 0-500bar gauge / absolute



**P116  
P126**  
DN Connector Pressure Transmitter  
0-0.5 to 0-500bar gauge / absolute



**P117  
P127**  
Flying Leads Pressure Transmitter  
0-0.5 to 0-500bar gauge / absolute



**P118  
P128**  
General Head Pressure Transmitter  
0-0.5 to 0-500bar gauge / absolute



**P119  
P129**  
Explosion Proof Head Pressure Transmitter  
0-0.5 to 0-500bar gauge / absolute



**P316  
P326**  
Compact Pressure Transmitter  
0-0.5 to 0-500bar gauge / absolute



**P317  
P327**  
Compact Pressure Transmitter  
0-0.5 to 0-500bar gauge / absolute



**P424**  
Sanitary Pressure Transmitter  
0-0.2 to 0-350bar gauge / absolute

08 | 09



**P425**  
Sanitary Pressure Transmitter  
0-0.2 to 0-350bar gauge / absolute



**P426**  
Sanitary Pressure Transmitter  
0-0.2 to 0-500bar gauge / absolute



**P428**  
Sanitary Pressure Transmitter  
0-0.2 to 0-350bar gauge / absolute



**P515  
P525**  
Flush Diaphragm Pressure Transmitter  
0-1 to 0-500bar gauge / absolute



**P516  
P526**  
Flush Diaphragm Pressure Transmitter  
0-1 to 0-500bar gauge / absolute



**P517  
P527**  
Flush Diaphragm Pressure Transmitter  
0-1 to 0-500bar gauge / absolute



**P518  
P528**  
Flush Diaphragm Pressure Transmitter  
0-1 to 0-500bar gauge / absolute



**P616**  
Pressure Gauge with Transmitter  
0-0.5 to 0-350bar gauge / absolute



**P624**  
Compact Pressure Transmitter with Local Display  
0-1 to 350bar gauge / absolute



**P828**  
Pressure Transmitter with Digital Switch  
0-0.1 to 350bar gauge / absolute



**T75S**  
Temperature Transmitter Input RTD  
Output 4-20mA DC



**T156**  
Temperature Transmitter Input RTD  
Output 4-20mA DC



**T1158**  
Temperature Transmitter Input RTD  
Output 4-20mA DC



**T1159**  
Temperature Transmitter Input RTD  
Output 4-20mA DC



**T760**  
Programmable Temperature Transmitter Input RTD, TC  
Output 4-20mA DC



**T900**  
Temperature Transmitter Input RTD  
Output 4-20mA DC



**L72S**  
Tank Mounted Level Transmitter  
0-1 to 350bar gauge / absolute



**L127**  
Submersible Depth and Level Transmitter  
0-0.1 to 350bar gauge / absolute




**E100**  
Explosion Proof Type Local Indicator Display LED 4 digit




**GL-2L**  
Panel Mounting Digital Indicator Input Multi RTD, Vd, TC, mA Output 2 Alarm, 4-20mA (Optional) Display LED 4 digit

# THERMOCOUPLES, R.T.D & THERMOWELLS




**R120**  
Sheathed Thermocouple Element: K, E, J, T, N  
R.T.D.: Pt1000  
Accuracy: Standard - 0.75% (at Reading Temp)  
Special - 0.4% (at Reading Temp)  
Sheath Outer Diameters: 1.0, 1.6, 2.3, 3.2, 4.8, 6.4, 8.0, 9.5, 12.7




**R220**  
Sheathed Type Resistance Temperature Detector Element: Pt1000  
Temperature Range: -200 - 600°C (General Type Element)

Type	Normal resistance @ 0°C	Resistance ratio R100/R0	Class	Tolerance (°C)	Total error (°C)
Pt100	100	1.3851	A	±0.15 (0.0025%)	±1.2
			B	±0.25 (0.005%)	±2.5




**R231**  
Sanitary Resistance Temperature Detector Range: 50 to 200°C  
Stem: 304/316SS  
T-tamp connection: 1.15 and 2 inch




**R300**  
Extension Lead Wire Thermocouple & Resistance Temperature Detector Element: Thermocouple - K, E, J, T, N, R, S, B  
R.T.D. - Pt1000


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**R500**  
Multi Point Thermocouple & Resistance Temperature Detector Element: Thermocouple - K, E, J, T, N  
R.T.D. - Pt1000  
Jordan Box Material: Alumin. Standard: Stainless



**R600**  
Tubekin Thermocouple & Resistance Temperature Detector  
Service: Intended: Tubekin temp. sensor are designed to measure surface temperature of pipes and tubes typically located within boilers, ovens, furnaces, heat exchangers, and reactors. This type of thermocouple & RTD is typically used within industrial high temperature and/or corrosive environments where fast and accurate temperature measurement is critical. Two common designs are Knife edge Pad, and Flat-weld Pad.  
Element: Thermocouple - K, E, J, T, N, R, S, B  
R.T.D. - Pt1000




**R941  
R942**  
Explosion Proof Sheathed Thermocouple & Resistance Temperature Detector Element: Thermocouple - K, E, J, T, N, R, S, B  
R.T.D. - Pt1000  
ATEX II 2 G Ex d IIC T4, EExEx Ex d IIC T4




**R951  
R952**  
Intrinsic Safety Sheathed Thermocouple & Resistance Temperature Detector Element: Thermocouple - K, E  
R.T.D. - Pt1000  
ATEX II 2 G Ex ia IIC T4


## THERMOWELLS




**A500  
A510**  
Close End Tube(Pipe) Type Thermowell




**A600**  
Bar Stock Thermowell with Thread Connection  
Weld frequency calculations in accordance with ASME PTC 19.3



**A603**  
Sanitary Thermowell  
Gauge connection: 1/2 NPT (F)  
T-tamp connection: 1.15 and 2 inch  
Surface Finish: 16-32Ra



**A610  
A611  
A612  
A623**  
Bar Stock Thermowells with Flange Connection  
Weld frequency calculations in accordance with ASME PTC 19.3



**A630  
A631  
A632**  
Bar Stock Thermowells with Welded Connection  
Weld frequency calculations in accordance with ASME PTC 19.3

# SWITCHES & RECORDERS



**P930**  
Pressure Recorder  
Case Dimension: 246mm(W) x 271mm(H)  
Range: 0-9kPa to 0-10MPa  
Case aluminum, Element 316SS



**P932**  
Pressure & Temperature Recorder  
Case Dimension: 246mm(W) x 271mm(H)  
Case aluminum, Element 316SS




**P940**  
Weather Proof Pressure Switch  
Range: 0-1 to 0-1 to 2.5MPa  
0-1 to 0-10MPa  
Case aluminum, Element 316SS




**P945**  
Pressure Switch  
Water proof type  
Ambient temp: -20-60°C  
Adjustable range: 1kPa-10MPa




**P953**  
Pressure Switch  
Explosion proof Exd IIC T6  
Ambient temp: -20-60°C  
Adjustable range: 1kPa-10MPa




**P970**  
Differential Pressure Switch  
Explosion proof Exd IIC T6  
Ambient temp: -20-60°C  
Adjustable range: 1kPa-3.0MPa




**P990**  
Explosion Proof Indicating Pressure Switch  
Range: 0-1 to 0-10MPa  
Case aluminum, Element 316SS




**T930**  
Temperature Recorder  
Case Dimension: 246mm(W) x 271mm(H)  
Range: -50-50 to 0-700°C  
Case aluminum, Element 316SS




**T940**  
Weather Proof Temperature Switch  
Range: -50-50 to 0-700°C  
Case aluminum, Element 316SS



**T953**  
Temperature Switch  
Explosion proof Exd IIC T6  
Ambient temp: -20-60°C  
Adjustable range: -20-250°C



**T990**  
Temperature Indicating Switch  
Explosion proof Exd IIC T6  
Ambient temp: -20-60°C  
Adjustable range: -20-250°C



**T932**  
Pressure & Temperature Recorder  
Case Dimension: 246mm(W) x 271mm(H)  
Case aluminum, Element 316SS



# FLOW ELEMENTS & LEVEL GAUGES



**F100**  
Orifice Plate



**F200**  
Orifice Plate with Ring  
Orifice bore type: Conic square edged orifice  
Quadrant edged orifice

Orifice type	Flange type				Nominal bore (mm)	
	Class 150	Class 200	Class 250	Class 300	Class 400	Class 500
Conic square edged	X	X	E	O	X	112 to 630
Conic square edged	X	X	E	O	E	40 to 200
Conic square edged	O	O	E	X	X	50 to 200
Quadrant square edged	O	O	O	E	X	10 to 200



**F300**  
Orifice Plate with Holding Ring  
Orifice bore type: Conic square edged orifice  
Quadrant edged orifice



**F400**  
Restriction Orifice Plate  
Restriction orifice  
Multi hole  
Multi stage



**F500**  
Orifice Flange Assy  
Mounting type: Welding neck slip-on, socket weld, ring joint, welding neck  
Nominal Diameter: 25mm-200mm




**F600**  
Flow Nozzle  
Mounting type: Flange type, weld-in type, holding ring type  
Nominal pipe size available: 50mm-650mm




**F700**  
Venturi Tube  
Venturi type: Fabricated flange type, fabricated weld-on type, machined flange type, machined weld-on type, rectangular type  
Nominal pipe size available: 50mm-1200mm




**F750**  
Venturi Tube  
Etched and Flanged end




**L100**  
Reflex Type Level Gauge  
Type: Reflex  
Visible length: 170 to 400mm  
Maximum no. of sections: 13 sections  
Weld connection: 1/2"-2 1/8" (50-500) flanged by your request  
Orifice bore pressure: 16MPa max. at 1.5




**L200**  
Transparent Type Level Gauge  
Type: Transparent  
Visible length: 170 to 400mm Max.  
Maximum no. of sections: 13 sections  
Vessel connection: 1/2"-2 1/8" (50-500) flanged by your request  
Chamber test pressure: Working pressure x 1.5




**L300**  
Magnetic Float Type Level Gauge  
Orifice Level Switch / Transmitter  
Max. pressure: 16MPa  
Max. temperature: 350°C  
Specific gravity: Max. 0.45  
Viscosity: Max. 50 cp




**L400**  
Tubular Gauge  
Working pressure: 0.68MPa (Max)  
Working temperature: 170°C (Max)  
Hydro test pressure: 0.73MPa




**L500**  
Two-Color Type Level Gauge  
Transparent & Two-Color Type Level Gauge  
Max. pressure: 14.0MPa




**L510**  
Two-Color Multi-Port Type Level Gauge  
Max. pressure: 21.0MPa



**S110**  
Sight Glass  
Size: 1/2"-8"  
Connections: Flanged end  
Max. pressure: 2.9MPa  
Max. temperature: 300°C  
Glass: Tempered, green



**S210**  
Flapper Type Sight Glass  
Size: 1/2"-8"  
Connections: Flanged end  
Max. pressure: 2.9MPa  
Max. temperature: 300°C  
Glass: Tempered, green



**S310**  
Ball Type Sight Glass  
Size: 1/2"-8"  
Connections: Flanged end  
Max. pressure: 2.9MPa  
Max. temperature: 300°C  
Glass: Tempered, green

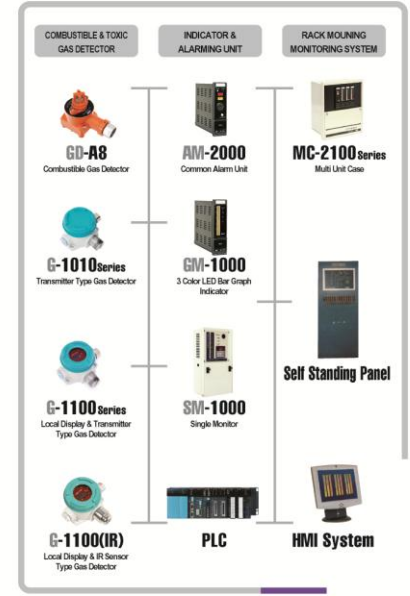


# WELDED BELLOWS



# GAS DETECTION SYSTEM ENVIRONMENT PRODUCT

## GAS DETECTION SYSTEM



## ENVIRONMENT PRODUCT



### Certificate

