

PRESSURE TRANSDUCERS TEMPERATURE TRANSMITTERS DIGITAL INDICATORS



PRESSURE TRANSDUCERS



MODEL	PMSA	PMHA	PMS	PMH	PMC
APPLICATIONS	Process control Hydraulics & Pneumatics Compressor control Chillers Refrigeration Equipment		Process control Hydraulics & Pneumatics Compressor control Chillers Refrigeration Equipment		Off Road Equipment Hydraulic System Compressor control Industrial Engines Pump Speed Control
TYPE OF PRESSURE MEASUREMENT	Gauge		Gauge		Gauge
PRESSURE RANGE	0~1 ... 400MPa -0.1~1 ... 400MPa		0~1 ... 400MPa -0.1~1 ... 400MPa		0~1 ... 50MPa -0.1~1 ... 50MPa
ACCURACY(RSS Method)	±0.5%FS	±0.25%FS	±0.5%FS	±0.25%FS	±0.8%FS
THERMAL EFFECT					
Zero	±0.05%FS/°C		±0.06%FS/°C		±0.08%FS/°C
Span	±0.05%FS/°C		±0.06%FS/°C		±0.08%FS/°C
MEDIA COMPATIBILITY	Gases or Liquids Compatibility with Stainless Steel		Gases or Liquids Compatibility with Stainless Steel		Gases or Liquids Compatibility with Stainless Steel
OUTPUT					
Amplified	—		0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2,3Wire)		1~5VDC, 4~20mA(2Wire)
Unamplified	1.5(1.0)mV/V		—		—
EXCITATION					
Amplified	—		11~28VDC		11~28VDC
Unamplified	12VDC Max		—		—
TEMPERATURE RANGE					
Compensated	-10~70°C		-10~70°C		-20~80°C
Operating	-20~80°C		-20~80°C		-30~100°C
ELECTRICAL CONNECTION	Connector, Cable		Connector, Cable, Head, DIN Connector		Connector, Cable, AMP Connector Head, DIN Connector
PRESSURE PORT	R(PT) 3/8", UNF9/16" (F)		R(PT) 3/8", UNF9/16" (F)		R(PT)G(PF) 1/8", 1/4", 3/8"
NOTES			IP65(DIN, Head Type) Protection		IP55(Can Type), IP65(DIN, Head Type) Protection

PRESSURE TRANSDUCERS



MODEL	PSG	PSI	M5200
APPLICATIONS	Gas Leak Detection Gas Monitoring Gas & Air Process Control Vacuum System	Gas Leak Detection Gas Monitoring Gas & Air Process Control Vacuum System	Industrial Process Control Refrigeration Systems Automotive Test Stands Pumps and Compressors Hydraulic / Pneumatic
TYPE OF PRESSURE MEASUREMENT	Gauge / Vacuum	Gauge / Vacuum	Gauge
PRESSURE RANGE	0~10 ... 1000kPa -100~0, 10 ... 1000kPa	0~10 ... 1000kPa -100~0, 10 ... 1000kPa	0~0.7 ... 100MPa
ACCURACY(RSS Method)	±0.5%FS	±0.5%FS	±0.5%FS
THERMAL EFFECT			
Zero	±0.06%FS/°C	±0.06%FS/°C	±0.05%FS/°C
Span	±0.06%FS/°C	±0.06%FS/°C	±0.05%FS/°C
MEDIA COMPATIBILITY	Air or Gas or Transmission Oil	Air or Gas or Transmission Oil	Gases or Liquids Compatibility with Stainless Steel
OUTPUT	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2Wire)	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2, 3Wire)	0.5~4.5VDC, 0~5VDC, 1~5VDC 0~10VDC, 4~20mA(2Wire)
EXCITATION	11~28VDC	11~28VDC	Refer to Detail Catalogue
TEMPERATURE RANGE			
Compensated	-10~70°C	-10~70°C	-20~85°C
Operating	-20~80°C	-20~80°C	-40~125°C
ELECTRICAL CONNECTION	Connector, Cable, Head, DIN Connector	Connector, Head, DIN Connector	Packard / DIN / Mini DIN / M12 Connector Bayonet / AMP / Sumitomo Connector, Cable
PRESSURE PORT	R(PT)G(PF) 1/8", 1/4", 3/8"	R(PT)G(PF) 1/8", 1/4", 3/8"	R(PT)G(PF) 1/4"
NOTES	IP65(DIN Type) Protection	IP65(DIN, Head Type) Protection	CE certified

PRESSURE TRANSDUCERS



MODEL	U5100	PSH	PSH(Flush Diaphragm)
APPLICATIONS	Industrial process control Refrigeration Systems Automotive Test Stands Pumps and Compressors Hydraulic / Pneumatic	Process control Hydraulics & Pneumatics Compressor control Chillers Refrigeration Equipment	Process control Water resource management Sewage water & slurry Glues & Resins Oil & Lubricants
TYPE OF PRESSURE MEASUREMENT	Gauge / Absolute	Gauge / Absolute / Vacuum	Gauge / Absolute / Vacuum
PRESSURE RANGE	0~0.1 ... 70MPa	0~5kPa ... 70MPa -100kPa~0 ... 70MPa	0~5kPa ... 3.5MPa -100kPa~0 ... 3.5MPa
ACCURACY(RSS Method)	±0.3%FS	±0.15%FS	±0.15%FS
THERMAL EFFECT			
Zero	±0.03%FS/°C	±0.03%FS/°C	±0.03%FS/°C
Span	±0.03%FS/°C	±0.03%FS/°C	±0.03%FS/°C
MEDIA COMPATIBILITY	Gases or Liquids Compatibility with Stainless Steel	Gases or Liquids Compatibility with Stainless Steel & VITON	Gases or Liquids Compatibility with Stainless Steel & VITON
OUTPUT	0.5~4.5VDC, 0~5VDC, 1~5VDC 0~10VDC, 4~20mA(2Wire)	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2,3Wire)	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2,3Wire)
EXCITATION	Refer to Detail Catalogue	11~28VDC	11~28VDC
TEMPERATURE RANGE			
Compensated	-20~85°C	-10~70°C	-10~70°C
Operating	-40~125°C	-20~80°C	-20~80°C
ELECTRICAL CONNECTION	Cable, Packard Connector, Mini DIN Connector	Connector, Cable, Head, DIN Connector	Connector, Cable, Head, DIN Connector
PRESSURE PORT	R(PT)G(PF) 1/4"	R(PT)G(PF) 1/8", 1/4", 3/8"	R(PT)G(PF) 3/4"
NOTES	CE certified	CE certified IP65(DIN, Head Type) Protection	CE certified IP65(DIN, Head Type) Protection

PRESSURE TRANSDUCERS



MODEL	PSC	PTA	PTB
APPLICATIONS	Off Road Equipment Hydraulic System Compressor Control Industrial Engines Pump Speed Control	Process control Hydraulics & Pneumatics Compressor Control Chillers Refrigeration Equipment	Process control Hydraulics & Pneumatics Compressor Control Chillers Refrigeration Equipment
TYPE OF PRESSURE MEASUREMENT	Gauge / Absolute / Vacuum	Gauge / Vacuum	Gauge / Vacuum
PRESSURE RANGE	0~5kPa ... 70MPa -100kPa~0 ... 70MPa	0~0.1 ... 150MPa -0.1~0, 0.1 ... 150MPa	0~0.1 ... 10MPa -0.1~0, 0.1 ... 10MPa
ACCURACY(RSS Method)	±0.25%FS	±0.5%FS	±0.5%FS
THERMAL EFFECT			
Zero	±0.05%FS/°C	±0.05%FS/°C	±0.05%FS/°C
Span	±0.05%FS/°C	±0.05%FS/°C	±0.05%FS/°C
MEDIA COMPATIBILITY	Gases or Liquids Compatibility with Stainless Steel & VITON	Gases or Liquids Compatibility with Stainless Steel & Titanium	Gases or Liquids Compatibility with Stainless Steel & EPDM
OUTPUT			
Amplified	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2Wire)	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2,3Wire)	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2,3Wire)
Unamplified	—	10mV/V	10mV/V
EXCITATION			
Amplified	11~28VDC	11~28VDC	11~28VDC
Unamplified	—	12VDC Max	12VDC Max
TEMPERATURE RANGE			
Compensated	-10~70°C	-10~70°C	-10~70°C
Operating	-20~100°C	-30~100°C	-20~80°C
ELECTRICAL CONNECTION	Connector, Cable, AMP Connector Head, DIN Connector	Connector, Head, DIN Connector	Connector, Head, DIN Connector
PRESSURE PORT	R(PT)G(PF) 1/8", 1/4", 3/8"	R(PT)G(PF) 1/8", 1/4", 3/8"	R(PT)G(PF) 1/8", 1/4", 3/8"
NOTES	CE certified IP55(Can Type) Protection IP65(DIN, Head Type) Protection	CE certified IP65(DIN, Head Type) Protection	CE certified IP65(DIN, Head Type) Protection

PRESSURE TRANSDUCERS



MODEL	PTC	PTD	PTE
APPLICATIONS	Off Road Equipment Hydraulics System Compressor control Industrial Engines Pump Speed Control	Process Control Hydraulics & Pneumatics Compressor control Chillers Refrigeration Equipment	Off Road Equipment Hydraulics System Compressor control Industrial Engines Pump Speed Control
TYPE OF PRESSURE MEASUREMENT	Gauge / Vacuum	Gauge / Vacuum	Gauge / Absolute
PRESSURE RANGE	0~0.1 ... 10MPa -0.1~0, 0.1 ... 10MPa	0~0.1 ... 150MPa -0.1~0, 0.1 ... 150MPa	0~100kPa ... 10MPa
ACCURACY(RSS Method)	±0.5%FS	±0.5%FS	±0.5%FS
THERMAL EFFECT			
Zero	±0.05%FS/°C	±0.05%FS/°C	±0.05%FS/°C
Span	±0.05%FS/°C	±0.05%FS/°C	±0.05%FS/°C
MEDIA COMPATIBILITY	Gases or Liquids Compatibility with Stainless Steel & EPDM	Gases or Liquids Compatibility with Stainless Steel & Titanium	Gases or Liquids Compatibility with Stainless Steel & VITON
OUTPUT	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2Wire)	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2Wire)	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2Wire)
EXCITATION	11~28VDC	11~28VDC	11~28VDC
TEMPERATURE RANGE			
Compensated	-10~70°C	-10~70°C	-10~70°C
Operating	-20~80°C	-20~100°C	-20~80°C
ELECTRICAL CONNECTION	Connector, Cable, AMP Connector Head, Din Connector	Connector, Cable Head, DIN Connector	Mini DIN Connector
PRESSURE PORT	R(PT)G(PF) 1/8", 1/4", 3/8"	R(PT)G(PF) 1/8", 1/4", 3/8"	R(PT)G(PF) 1/4"
NOTES	CE certified IP55(Can Type) Protection IP65(DIN, Head Type) Protection	CE certified IP65(DIN, Head Type) Protection	CE certified IP65 Protection

PRESSURE TRANSDUCERS



MODEL	PSK	PSB	PHP
APPLICATIONS	Process Control Hydraulics & Pneumatics Compressor System Chillers Refrigeration Equipment	Process Control Hydraulics & Pneumatics Compressor Control Chillers Refrigeration Equipment	Measurement and Test Benches Calibration Technology Laboratories Plant Construction & Machine Building
TYPE OF PRESSURE MEASUREMENT	Gauge / Absolute	Gauge / Absolute	Gauge / Absolute / Vacuum
PRESSURE RANGE	0~20kPa ... 3.5MPa	0~20kPa ... 3.5MPa	0~0.1 ... 150MPa -0.1~0, 0.1 ... 150MPa
ACCURACY(RSS Method)	±0.5%FS	±0.5%FS	±0.035%FS
THERMAL EFFECT			
Zero	±0.05%FS/°C	±0.05%FS/°C	±0.025%FS/°C
Span	±0.05%FS/°C	±0.05%FS/°C	±0.025%FS/°C
MEDIA COMPATIBILITY	Gases or Liquids Compatibility with Stainless Steel & VITON	Gases or Liquids Compatibility with Brass & VITON	Gases or Liquids Compatibility with Stainless Steel & VITON or Stainless Steel & Titanium
OUTPUT	1~5VDC, 4~20mA(2Wire)	1~5VDC	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(3Wire), RS232
EXCITATION	11~28VDC	11~28VDC	11~32VDC
TEMPERATURE RANGE			
Compensated	-10~70°C	-10~70°C	-10~50°C
Operating	-20~80°C	-20~80°C	-20~80°C
ELECTRICAL CONNECTION	Mini DIN Connector	Cable	TAJIMI Connector
PRESSURE PORT	R(PT)G(PF) 1/4"	R(PT)G(PF) 1/4"	R(PT)G(PF) 1/8", 1/4", 3/8"
NOTES	IP65 Protection		

PRESSURE TRANSDUCERS



MODEL	PSP	PFA	PBM
APPLICATIONS	Process Control Hydraulics & Pneumatics Gas Monitoring Compressor Control Refrigerator Control	Industrial process Control Refrigeration Systems Automotive Test Stands Pumps and Compressors Hydraulic/Pneumatic	Ship & Marine System Process Control Hydraulics & Pneumatics Pump Speed Control Compressor Control
TYPE OF PRESSURE MEASUREMENT	Gauge / Absolute	Gauge / Absolute / Vacuum	Gauge / Absolute / Vacuum
PRESSURE RANGE	0~100kPa ... 25MPa	0~100kPa ... 60MPa -100kPa~100kPa ... 60MPa	0~5kPa ... 70MPa -100kPa~0 ... 70MPa
ACCURACY(RSS Method)	±1.0%FS	±0.5%FS	±0.15%FS
THERMAL EFFECT			
Zero	±0.05%FS/°C	±0.05%FS/°C	±0.03%FS/°C
Span	±0.05%FS/°C	±0.05%FS/°C	±0.03%FS/°C
MEDIA COMPATIBILITY	Gases or Liquids Compatibility with Stainless Steel	Gases or Liquids Compatibility with Stainless Steel	Gases or Liquids Compatibility with Stainless Steel & VITON
OUTPUT	4~20mA(2Wire)	0.5~4.5VDC, 0~5VDC, 1~5VDC 0~10VDC, 4~20mA(2Wire)	4~20mA(2Wire)
EXCITATION	11~28VDC	Refer to Detail Catalogue	11~28VDC
TEMPERATURE RANGE			
Compensated	-20~85°C	-20~85°C	-10~70°C
Operating	-20~100°C	-40~85°C	-20~80°C
ELECTRICAL CONNECTION	Mini DIN Connector, Cable	Mini DIN Connector, M12 Connector	Cable Gland
PRESSURE PORT	R(PT) G(PF) 1/4"	R(PT) G(PF) 1/4"	R(PT) G(PF) 1/8", 1/4", 3/8"
NOTES	IP65(DIN) Protection	IP65(DIN) Protection	IP65 Protection

PRESSURE TRANSDUCERS



MODEL	PUH	PCA	PCL
APPLICATIONS	Gas Cabinets Valve Manifold Boxes (VMBs) Gas Panels Bulk Gas Distribution Systems	Semiconductor Manufacturing Equipment High-purity Fluids Chemical Process Physics and Chemistry Equipment Waste Disposing Equipment	Semiconductor Manufacturing Equipment High-purity Fluids Chemical Process Physics and Chemistry Equipment Waste Disposing Equipment
TYPE OF PRESSURE MEASUREMENT	Gauge	Gauge	Gauge
PRESSURE RANGE	0~700kPa ... 21MPa (0~100 ... 3000psi)	0~100kPa ... 1MPa	0~100kPa ... 1MPa
ACCURACY(RSS Method)	±0.25%FS	±1%FS	±0.5%FS
THERMAL EFFECT			
Zero	±0.03%FS/°C	±0.1%FS/°C	±0.06%FS/°C
Span	±0.03%FS/°C	±0.1%FS/°C	±0.06%FS/°C
MEDIA COMPATIBILITY	Gases or Liquids Compatibility with Stainless Steel 316L VIM+VAR	Gases or Liquids Compatibility with PTFE	Gases or Liquids Compatibility with Al ₂ O ₃ 96%, PP, VITON
OUTPUT	4~20mA(2Wire)	4~20mA(2Wire)	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2,3Wire)
EXCITATION	10~30VDC	11~28VDC	11~28VDC
TEMPERATURE RANGE			
Compensated	-20~60°C	10~50°C	-10~70°C
Operating	-40~100°C	10~70°C	-20~80°C
ELECTRICAL CONNECTION	Cable	Cable	DIN Connector
PRESSURE PORT	9/16~18 UNF VCR	R(PT) G(PF) 1/4", 3/8"	R(PT) G(PF) 1/2", Union
NOTES			IP65 Protection

DIFFERENTIAL PRESSURE TRANSMITTER & GAUGES



MODEL	DWS		SSD		DPR		
APPLICATIONS	Corrosive Fluid Gas Measurement Liquid Level Controls Tank Level Measurement Leak Tester System Lab/Fume Hood Control		Corrosive Fluid Gas Measurement Liquid Level Controls Tank Level Measurement Leak Tester System Lab/Fume Hood Control		Airflow Measurement Room Static Pressure VAV Box Lab/Fume Hood Control Clean Room Control		
DISPLAY TYPE			LED ± 1999		LED ± 1999		
TYPE OF PRESSURE MEASUREMENT	Differential		Differential		Differential		
PRESSURE RANGE	0~5kPa ... 3.5MPa	0~0.1 ... 2.5MPa	0~5kPa ... 3.5MPa	0~0.1 ... 2.5MPa	300Pa ± 300 Pa	300Pa, 750Pa ± 500 Pa, ± 750 Pa	1~100kPa $\pm 1 \sim \pm 100$ kPa
ACCURACY(RSS Method)	$\pm 0.25\%$ FS	$\pm 0.5\%$ FS	$\pm 0.3\%$ FS	$\pm 0.5\%$ FS	$\pm 1.5\%$ FS	$\pm 1.0\%$ FS	$\pm 0.5\%$ FS
THERMAL EFFECT							
Zero	$\pm 0.05\%$ FS/ $^{\circ}$ C	$\pm 0.05\%$ FS/ $^{\circ}$ C	$\pm 0.05\%$ FS/ $^{\circ}$ C	$\pm 0.05\%$ FS/ $^{\circ}$ C	$\pm 0.3\%$ FS/ $^{\circ}$ C	$\pm 0.2\%$ FS/ $^{\circ}$ C	$\pm 0.15\%$ FS/ $^{\circ}$ C
Span	$\pm 0.05\%$ FS/ $^{\circ}$ C	$\pm 0.05\%$ FS/ $^{\circ}$ C	$\pm 0.05\%$ FS/ $^{\circ}$ C	$\pm 0.05\%$ FS/ $^{\circ}$ C	$\pm 0.3\%$ FS/ $^{\circ}$ C	$\pm 0.2\%$ FS/ $^{\circ}$ C	$\pm 0.15\%$ FS/ $^{\circ}$ C
MEDIA COMPATIBILITY	Gases or Liquids Compatibility with Stainless Steel, VITON		Gases or Liquids Compatibility with Stainless Steel, VITON		Dry Air or Non-ionic Gases		
OUTPUT	0~5VDC, 1~5VDC, 0~10VDC 4~20mA(2Wire)		1~5VDC, 2CH-Relay 4~20mA(3Wire), 2CH-Relay		1~5, 0~10VDC 4~20mA, 2CH-Relay		
EXCITATION	11~28VDC		18~26VDC		18~24VDC or 110~220VAC		
TEMPERATURE RANGE							
Compensated	-10~70 $^{\circ}$ C		-10~70 $^{\circ}$ C		0~50 $^{\circ}$ C		
Operating	-20~80 $^{\circ}$ C		-20~80 $^{\circ}$ C		-10~70 $^{\circ}$ C		
ELECTRICAL CONNECTION	Connector, Cable, Head, DIN Connector		Cable DIN Connector		Terminal		
PRESSURE PORT	R(PT) 1/4"(F), UNF 7/16(Flare)		R(PT) 1/4"(F), UNF 7/16(Flare)		R(PT) 1/8"(Female)		
NOTES	IP65(DIN, Head Type) Protection		IP65 Protection				

DIFFERENTIAL PRESSURE TRANSMITTER & GAUGES



MODEL	DPC	DPL	DPD
APPLICATIONS	Airflow Measurement Room Static Pressure VAV Box Lab/Fume Hood Control Clean Room Control	Airflow Measurement Room Static Pressure VAV Box Lab/Fume Hood Control Clean Room Control	Airflow Measurement Room Static Pressure VAV Box Lab/Fume Hood Control Clean Room Control
DISPLAY TYPE	—	LCD ± 1999	LCD ± 1999
TYPE OF PRESSURE MEASUREMENT	Differential	Differential	Differential
PRESSURE RANGE	0~0.5 ... 100kPa	0~300Pa ... 100kPa	0~300Pa ... 100kPa
ACCURACY(RSS Method)	$\pm 0.5\%FS$	$\pm 0.5\%FS$	$\pm 0.5\%FS$
THERMAL EFFECT			
Zero	$\pm 0.08\%FS/^{\circ}C$	$\pm 0.08\%FS/^{\circ}C$	$\pm 0.08\%FS/^{\circ}C$
Span	$\pm 0.08\%FS/^{\circ}C$	$\pm 0.08\%FS/^{\circ}C$	$\pm 0.08\%FS/^{\circ}C$
MEDIA COMPATIBILITY	Dry Air or Non-ionic Gases	Dry Air or Non-ionic Gases	Dry Air or Non-ionic Gases
OUTPUT	4~20mA(2Wire)	4~20mA(2Wire)	4~20mA(2Wire)
EXCITATION	11~28VDC	14~28VDC	14~28VDC
TEMPERATURE RANGE			
Compensated	0~50 $^{\circ}C$	0~50 $^{\circ}C$	0~50 $^{\circ}C$
Operating	-10~70 $^{\circ}C$	-10~70 $^{\circ}C$	-10~70 $^{\circ}C$
ELECTRICAL CONNECTION	Cable	Cable Gland	Cable
PRESSURE PORT	1/8" Nipple	1/8", 3/16" Nipple	1/8" Nipple
NOTES		IP66 Protection	

DIFFERENTIAL PRESSURE GAUGES



MODEL	DPU			DPA		DPB		
APPLICATIONS	Airflow Measurement Room Static Pressure VAV Box Lab/Fume Hood Control Clean Room Control			Airflow Measurement Room Static Pressure VAV Box Lab/Fume Hood Control Clean Room Control		Airflow Measurement Room Static Pressure VAV Box Lab/Fume Hood Control Clean Room Control		
DISPLAY TYPE	LCD ± 1999 (Bar Graph)			LED ± 9999		LED ± 1999		
TYPE OF PRESSURE MEASUREMENT	Differential			Differential		Differential		
PRESSURE RANGE	50, 100Pa $\pm 50, \pm 100$ Pa	200, 300Pa $\pm 200, \pm 300$ Pa	500, 1000Pa $\pm 500, \pm 1000$ Pa	50, 100, 200Pa $\pm 50, \pm 100 \pm 200$ Pa	300, 500, 750, 1000Pa $\pm 300, \pm 500, \pm 750, \pm 1000$ Pa	300Pa ± 300 Pa	500Pa, 750Pa ± 500 Pa, ± 750 Pa	1...10kPa $\pm 1 \dots \pm 10$ kPa
ACCURACY(RSS Method)	$\pm 1\%$ FS	$\pm 0.5\%$ FS	$\pm 0.3\%$ FS	$\pm 1\%$ FS	$\pm 0.5\%$ FS	$\pm 1.5\%$ FS	$\pm 1.0\%$ FS	$\pm 0.5\%$ FS
THERMAL EFFECT								
Zero	$\pm 0.1\%$ FS/ $^{\circ}$ C	$\pm 0.05\%$ FS/ $^{\circ}$ C	$\pm 0.03\%$ FS/ $^{\circ}$ C	$\pm 0.1\%$ FS/ $^{\circ}$ C	$\pm 0.05\%$ FS/ $^{\circ}$ C	$\pm 0.3\%$ FS/ $^{\circ}$ C	$\pm 0.2\%$ FS/ $^{\circ}$ C	$\pm 0.15\%$ FS/ $^{\circ}$ C
Span	$\pm 0.1\%$ FS/ $^{\circ}$ C	$\pm 0.05\%$ FS/ $^{\circ}$ C	$\pm 0.03\%$ FS/ $^{\circ}$ C	$\pm 0.1\%$ FS/ $^{\circ}$ C	$\pm 0.05\%$ FS/ $^{\circ}$ C	$\pm 0.3\%$ FS/ $^{\circ}$ C	$\pm 0.2\%$ FS/ $^{\circ}$ C	$\pm 0.15\%$ FS/ $^{\circ}$ C
MEDIA COMPATIBILITY	Dry Air or Non-ionic Gases			Dry Air or Non-ionic Gases		Dry Air or Non-ionic Gases		
OUTPUT	4~20mA(2Wire)			0~5, 1~5, 0~10VDC, 2CH-Relay 4~20mA(3Wire), 2CH-Relay		1~5, 0~10VDC, 4~20mA 2CH-Relay 1~5, 0~10VDC, 4~20mA NPN TR.		
EXCITATION	11~28VDC			12~28VDC		12~24VDC(Rely Type : 18~24V)		
TEMPERATURE RANGE								
Compensated	0~50 $^{\circ}$ C			0~50 $^{\circ}$ C		0~50 $^{\circ}$ C		
Operating	-10~70 $^{\circ}$ C			-10~70 $^{\circ}$ C		-10~70 $^{\circ}$ C		
ELECTRICAL CONNECTION	Terminal			Terminal		Terminal		
PRESSURE PORT	1/8", 3/16" Nipple			1/8", 3/16" Nipple		1/8" Nipple		
NOTES				CE certified		CE certified		

DIFFERENTIAL PRESSURE GAUGES & SWITCHES



MODEL	DPM			PSS	PSO
APPLICATIONS	Airflow Measurement Room Static Pressure VAV Box Lab/Fume Hood Control Clean Room Control			Process control Hydraulics & Pneumatics Compressor control Chillers Refrigeration Equipment	Process control Hydraulics & Pneumatics Compressor control Chillers Refrigeration Equipment
DISPLAY TYPE	LCD ± 1999				
TYPE OF PRESSURE MEASUREMENT	Differential			Gauge / Vacuum	Gauge / Vacuum
PRESSURE RANGE	300Pa ± 300 Pa	500Pa, 750Pa ± 500 Pa, ± 750 Pa	1...10kPa ± 1 ... ± 10 kPa	0~1 ... 400MPa -0.1~1 ... 400MPa	0~1 ... 50MPa -0.1~1 ... 50MPa
ACCURACY(RSS Method)	$\pm 1.5\%$ FS	$\pm 1.0\%$ FS	$\pm 0.5\%$ FS	$\pm 1\%$ FS	$\pm 1\%$ FS
THERMAL EFFECT					
Zero	$\pm 0.3\%$ FS/ $^{\circ}$ C	$\pm 0.2\%$ FS/ $^{\circ}$ C	$\pm 0.15\%$ FS/ $^{\circ}$ C	$\pm 0.1\%$ FS/ $^{\circ}$ C	$\pm 0.1\%$ FS/ $^{\circ}$ C
Span	$\pm 0.3\%$ FS/ $^{\circ}$ C	$\pm 0.2\%$ FS/ $^{\circ}$ C	$\pm 0.15\%$ FS/ $^{\circ}$ C	$\pm 0.1\%$ FS/ $^{\circ}$ C	$\pm 0.1\%$ FS/ $^{\circ}$ C
MEDIA COMPATIBILITY	Dry Air or Non-ionic Gases			Gases or Liquids Compatibility with Stainless Steel	Gases or Liquids Compatibility with Stainless Steel
OUTPUT	1~5VDC, 4~20mA NPN TR.			2CH NPN Open Collector 1~3VDC(Optional)	1 or 2CH NPN Open Collector
EXCITATION	12~24VDC			11~28VDC	11~28VDC
TEMPERATURE RANGE					
Compensated	0~50 $^{\circ}$ C			-10~70 $^{\circ}$ C	-10~70 $^{\circ}$ C
Operating	-10~70 $^{\circ}$ C			-20~80 $^{\circ}$ C	-20~80 $^{\circ}$ C
ELECTRICAL CONNECTION	6Pin e-CON Connector			Cable	Cable
PRESSURE PORT	1/8" Nipple			R(PT) 3/8", UNF9/16" (F)	R(PT) G(PF) 1/8", 1/4", 3/8"
NOTES	CE certified				

PRESSURE SWITCHES & DIGITAL PRESSURE GAUGES



MODEL	PSL	SIG		SSG	
APPLICATIONS	Process control Hydraulics & Pneumatics Compressor control Chillers Refrigeration Equipment	Process Control & Monitoring Hydraulic & Pneumatic System Chemical & Petrochemical Tank Level Measurement Gas Transmission Pipeline		Process Control Hydraulics & Pneumatic Compressor control Chillers Refrigeration Equipment	
DISPLAY TYPE		LCD(Backlight) ± 19999		LED ± 1999	
TYPE OF PRESSURE MEASUREMENT	Gauge / Absolute	Gauge / Absolute / Vacuum		Gauge / Absolute / Vacuum	
PRESSURE RANGE	0~20kPa ... 150MPa	0~5kPa ... 70MPa -100kPa~0 ... 70MPa	0~71 ... 150MPa	0~5kPa ... 3.5MPa -100kPa~0 ... 3.5MPa	0~3.6 ... 150MPa
ACCURACY(RSS Method)	$\pm 1\%FS$	$\pm 0.2\%FS$	$\pm 0.5\%FS$	$\pm 0.5\%FS$	$\pm 0.8\%FS$
THERMAL EFFECT					
Zero	$\pm 0.1\%FS/^{\circ}C$	$\pm 0.03\%FS/^{\circ}C$	$\pm 0.05\%FS/^{\circ}C$	$\pm 0.05\%FS/^{\circ}C$	$\pm 0.08\%FS/^{\circ}C$
Span	$\pm 0.1\%FS/^{\circ}C$	$\pm 0.03\%FS/^{\circ}C$	$\pm 0.05\%FS/^{\circ}C$	$\pm 0.05\%FS/^{\circ}C$	$\pm 0.08\%FS/^{\circ}C$
MEDIA COMPATIBILITY	Gases or Liquids Compatibility with Stainless Steel & VITON or Stainless Steel & Ti	Gases or Liquids Compatibility with Stainless Steel, VITON	Gases or Liquids Compatibility with Stainless Steel & Ti	Gases or Liquids Compatibility with Stainless Steel, VITON or Stainless Steel & Ti	
OUTPUT	Analog Switching Digital	1 or 2CH NPN Open Collector	4~20mA(2,3Wire), 0~5, 1~5, 0~10VDC 2CH Relay RS485	1~5VDC, 4~20mA(3Wire) 2CH-Relay —	
EXCITATION	11~28VDC	17~28VDC(4~20mA(2Wire):11~28VDC)		18~26VDC	
TEMPERATURE RANGE					
Compensated	-10~70 $^{\circ}C$	-20~60 $^{\circ}C$ (Ambient)		-10~70 $^{\circ}C$	
Operating	-20~80 $^{\circ}C$	-40~120 $^{\circ}C$ (Process)		-20~80 $^{\circ}C$	
ELECTRICAL CONNECTION	Cable	G(PF) 1/2"		Cable DIN Connector	
PRESSURE PORT	R(PT) G(PF) 1/8", 1/4", 3/8"	R(PT)G(PF) 1/4", 3/8", 1/2"		R(PT)G(PF) 1/4", 3/8"	
NOTES		Explosion Proof approval to Ex d IIC T6 IP67 Protection		IP65 Protection	

DIGITAL PRESSURE GAUGES



MODEL	SMA	SBP	SBU
APPLICATIONS	Process Control Hydraulics & Pneumatic Compressor control Chillers Refrigeration Equipment	Portable Field Calibration Process monitoring & Control Valve & Regulator Test Chart Recorder Replacement Leak Test	Portable Field Calibration Process monitoring & Control Valve & Regulator Test Chart Recorder Replacement Leak Test
DISPLAY TYPE	LED 4Digit	5Digit Backlight LCD	LCD(Backlight) ± 19999
TYPE OF PRESSURE MEASUREMENT	Gauge / Absolute / Vacuum	Gauge / Absolute / Vacuum	Gauge / Absolute / Vacuum
PRESSURE(Depth) RANGE	-100~0~100kPa ... 70MPa	0~15kPa ... 150MPa -100kPa~100kPa ... 150MPa	0~100kPa ... 70MPa -100kPa~100kPa ... 3.5MPa
ACCURACY(RSS Method)	$\pm 0.5\%FS$	$\pm 0.025\%FS$ (Gauge) Total Accuracy $\pm 0.05\%FS$ (Absolute) Total Accuracy	$\pm 0.1\%FS$ Total Accuracy
THERMAL EFFECT Zero Span	$\pm 3\%FS(0\sim 50^{\circ}C)$		
MEDIA COMPATIBILITY	Air or Gases / Liquids Compatibility with Stainless Steel	Gases or Liquids Compatibility with Stainless Steel / VITON or Ti or Air or Gases	Air or Gases / Liquids Compatibility with Stainless Steel
OUTPUT Analog Switching Digital	0~5, 1~5, 0~10VDC, 4~20mA(3Wire) 2CH NPN or PNP TR —	4~20mA or 0~5VDC(External Excitation) — RS232(Optional)	1~5VDC(Optional) — RS232(Optional)
EXCITATION	12~24VDC	AA Size Alkaline Battery $\times 3$	AAA Size Alkaline Battery $\times 3$ External : 12~28VDC
TEMPERATURE RANGE Compensated Operating	0~50 $^{\circ}C$ -10~50 $^{\circ}C$	-10~50 $^{\circ}C$ -20~80 $^{\circ}C$	-10~50 $^{\circ}C$ -20~70 $^{\circ}C$
ELECTRICAL CONNECTION	Connector Cable	D-SUB 9Pin Connector	Connector Cable
PRESSURE PORT	Rc1/8", R1/8", R1/4"	G(PF)1/4", NPT1/4", 9/16UNF	G(PF)1/4", NPT1/4"
NOTES	CE certified		IP65

DIGITAL PRESSURE GAUGES & LEVEL(DEPTH) TRANSMITTERS



MODEL	SBH	SBS	PLF
APPLICATIONS	Portable Field Calibration Process monitoring & Control Valve & Regulator Test Leak Test	Portable Field Calibration Process monitoring & Control Valve & Regulator Test Leak Test	Tank Level Measurement Deep Well Measurement Ship & Marine System Ground & Surface Water Monitoring Geophysical Application
DISPLAY TYPE	LCD(Backlight) ± 5000	LCD(Backlight) ± 3000	
TYPE OF PRESSURE MEASUREMENT	Gauge / Absolute / Vacuum	Gauge / Absolute / Vacuum	Gauge / Absolute
PRESSURE(Depth) RANGE	0~100kPa ... 150MPa -100kPa~100kPa ... 3.5MPa	0~100kPa ... 10MPa	0~3 ... 350m
ACCURACY(RSS Method)	$\pm 0.25\%FS$	$\pm 0.5\%FS$	$\pm 0.25\%FS$
THERMAL EFFECT			
Zero	$\pm 0.03\%FS/^{\circ}C$	$\pm 0.05\%FS/^{\circ}C$	$\pm 0.05\%FS/^{\circ}C$
Span	$\pm 0.03\%FS/^{\circ}C$	$\pm 0.05\%FS/^{\circ}C$	$\pm 0.05\%FS/^{\circ}C$
MEDIA COMPATIBILITY	Air or Gases / Liquids Compatibility with Stainless Steel	Air or Gases / Liquids Compatibility with Stainless Steel	Liquids Compatibility with Titanium
OUTPUT			
Analog			4~20mA
Switching			—
Digital			—
EXCITATION	AAA Size Alkaline Battery $\times 3$	9V Alkaline Battery $\times 1$	11~28VDC
TEMPERATURE RANGE			
Compensated	-10~50 $^{\circ}C$	-10~50 $^{\circ}C$	0~70 $^{\circ}C$
Operating	-20~70 $^{\circ}C$	-20~70 $^{\circ}C$	-20~80 $^{\circ}C$
ELECTRICAL CONNECTION			Polyurethane Vented Cable
PRESSURE PORT	G(PF)1/4", NPT1/4"	G(PF)1/4", NPT1/4"	Flange
NOTES	IP65		Sensor part : IP68 Protection Amp. part : IP67 Protection

LEVEL(DEPTH) TRANSMITTERS



MODEL	PLN	PLA	PLT	SIL
APPLICATIONS	Tank Level Measurement Deep Well Measurement Ship & Marine System Ground & Surface Water Monitoring Geophysical Application		Tank Level & Temperature Measurement Deep Well Measurement Ship & Marine System Ground & Surface Water Monitoring Geophysical Application	Tank Level Measurement Deep Well Measurement Ship & Marine System Ground & Surface Water Monitoring Geophysical Application
DISPLAY TYPE				LCD(Backlight) ± 19999
TYPE OF PRESSURE MEASUREMENT	Gauge / Absolute		Gauge / Absolute	Gauge / Absolute
RANGE	0~0.5, ..., 350m		0~3, ..., 350m -20~50, 0~50, 0~70℃	0~0.5, ..., 350m
ACCURACY(RSS Method)	$\pm 0.15\%FS$		$\pm 0.15\%FS$ $\pm 0.5\%FS$	$\pm 0.2\%FS$
THERMAL EFFECT	Zero $\pm 0.03\%FS/^\circ C$ Span $\pm 0.03\%FS/^\circ C$		Zero $\pm 0.03\%FS/^\circ C$ Span $\pm 0.03\%FS/^\circ C$	Zero $\pm 0.03\%FS/^\circ C$ Span $\pm 0.03\%FS/^\circ C$
MEDIA COMPATIBILITY	Liquids Compatibility with Stainless Steel		Liquids Compatibility with Stainless Steel & VITON	Liquids Compatibility with Stainless Steel
OUTPUT	Analog 4~20mA(2Wire), 1~5VDC Switching Digital 4~20mA(2Wire)		4~20mA(2Wire)	4~20mA(2Wire) 0~5, 1~5, 0~10V, 4~20mA(3Wire) 2CH Relay RS485
EXCITATION	11~28VDC		11~28VDC	11~28VDC 17~28VDC
TEMPERATURE RANGE	Compensated 0~70℃ Operating -20~80℃		0~70℃ -20~80℃	0~70℃ -20~80℃
ELECTRICAL CONNECTION	Polyurethane Vented Cable		Polyurethane Vented Cable	Cable Gland(PF1/2")
PRESSURE PORT	G(PF) 1/4", Nose Cone	G(PF) 1/2", Nose Cone	G(PF) 3/8", Nose Cone	G(PF) 1/4", Nose Cone
NOTES	Sensor part : IP68 Protection Individual Amp. Built-in Amp.		IP68 Protection	Sensor part : IP68 Protection Display part : IP67 Protection

TEMPERATURE TRANSMITTERS



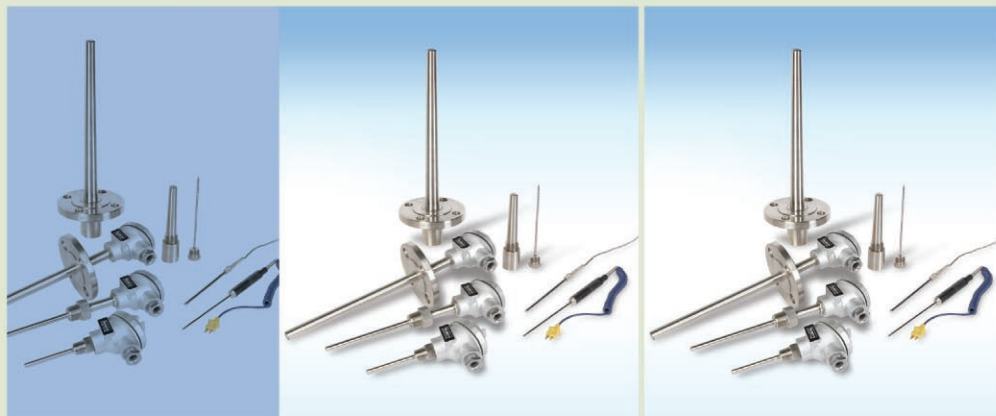
MODEL	TIG	TSG	TBH
DISPLAY TYPE	LCD(Backlight) ± 19999	LED ± 1999	LCD(Backlight) ± 5000
TYPE OF TEMPERATURE MEASUREMENT	PT100 Ω	PT100 Ω	PT100 Ω
TEMPERATURE RANGE	-50~600°C	-50~400°C	-50~400°C
ACCURACY	$\pm 0.2\%FS$	$\pm 0.8\%FS$	$\pm 0.5\%FS$
MATERIALS WETTED BY PROCESS	Stainless Steel 316 or Others Available on Request	Stainless Steel 316 or Others Available on Request	Stainless Steel 316 or Others Available on Request
OUTPUT			
Analog	4~20mA(2, 3Wire), 0~5, 1~5, 0~10VDC	1~5VDC, 4~20mA(3Wire)	—
Switching	2CH-Relay	2CH-Relay	—
Digital	RS485	—	—
EXCITATION	17~28VDC(4~20mA(2Wire):11~28VDC)	18~26VDC	AAA Size Alkaline Battery $\times 3$
AMBIENT TEMPERATURE RANGE			
Operating	-20~60°C (Ambient)	-20~80°C	-10~50°C
Storage	-40~100°C	-40~100°C	-20~70°C
ELECTRICAL CONNECTION	G(PF)1/2"	Cable DIN Connector	—
PROCESS CONNECTION	R(PT)G(PF) 1/4", 3/8", 1/2" Flange & Other Connection Available on Request	R(PT)G(PF) 3/8", 1/2" Flange & Other Connection Available on Request	Connection Available on Request
NOTES	Explosion Proof Approval to Ex d IIC T6 IP67 Protection	IP65 Protection	IP65 Protection

TEMPERATURE SENSOR & TRANSMITTER



MODEL	TBS	TSRT	TA100
DISPLAY TYPE	LCD(Backlight) ± 3000	—	—
TYPE OF TEMPERATURE MEASUREMENT	PT100 Ω	PT100 Ω	PT100 Ω
TEMPERATURE RANGE	-50~400℃	-50~400℃	-50~500℃
ACCURACY	$\pm 1\%FS$	$\pm 0.5\%FS$	$\pm 0.2\%FS$
MATERIALS WETTED BY PROCESS	Stainless Steel 316 or Others Available on Request	Stainless Steel 316 or Others Available on Request	—
OUTPUT			
Analog	—	4~20mA(2Wire)	4~20mA(2Wire)
Switching	—	—	—
Digital	—	—	—
INPUT SIGNAL	—	—	PT100
EXCITATION	9V Alkaline Battery $\times 1$	11~28VDC	11~28VDC
AMBIENT TEMPERATURE RANGE			
Operating	-10~50℃	-20~80℃	-10~60℃
Storage	-20~70℃	-40~100℃	-20~70℃
ELECTRICAL CONNECTION	—	Connector, Head DIN Connector	Terminal
PROCESS CONNECTION	Connection Available on Request	R(PT)G(PF) 3/8", 1/2" Flange & Other Connection Available on Request	—
NOTES	—	IP65 Protection (Only DIN Connector, Head)	—

TEMPERATURE SENSOR & TRANSMITTER



MODEL	TC/STC	RT/SRT
TYPE OF TEMPERATURE MEASUREMENT	Thermocouple	PT100
TEMPERATURE RANGE	-200~1700°C	-200~500°C
ACCURACY	±0.25~1.5%Rd	A, B Class
MATERIALS WETTED BY PROCESS	Stainless Steel or Others Available on Request	Stainless Steel or Others Available on Request
OUTPUT	EMF	Resistance
INPUT SIGNAL	—	—
EXCITATION	—	—
AMBIENT TEMPERATURE RANGE	—	—
ELECTRICAL CONNECTION	Head or Other Available on Request	Head or Other Available on Request
PROCESS CONNECTION	Flange & Other Connection Available on Request	Flange & Other Connection Available on Request
NOTES	IP65(Head Type) Protection	IP65(Head Type) Protection

DIGITAL INDICATORS



MODEL	SC1100	SC2100	SC1300	SC2300	SC1400	SC2400
DISPLAY TYPE	LED (Red Color)		LED (Red Color)		LED (Red Color)	
Max Readout	±19999		±19999		±19999	
Reading Rate	15 or 30 or 120 times/sec		15 or 30 or 120 times/sec		15 or 30 or 120 times/sec	
Height of Digits	14mm (0.55inch)		14mm (0.55inch)		14mm (0.55inch)	
PHYSICAL						
Operating Temperature	0~50℃		0~50℃		0~50℃	
Storage Temperature	-40~80℃		-40~80℃		-40~80℃	
Weight	Approx. 600g (Unit Only)		Approx. 500g (Unit Only)		Approx. 600g (Unit Only)	
DIMENSIONS						
Panel Cutout Dimensions	1/8 DIN : 92×45mm		1/8 DIN : 92×45mm		1/8 DIN : 92×45mm	
Front Panel	96mm (W) × 48mm (H) × 110mm (D)		96mm (W) × 48mm (H) × 110mm (D)		96mm (W) × 48mm (H) × 110mm (D)	
ELECTRICAL DATA						
Power	85~245VAC (50/60Hz)		85~245VAC (50/60Hz)		85~245VAC (50/60Hz)	
Transducer Input Excitation	5VDC	24VDC (3~28VDC)	5VDC	24VDC (3~28VDC)	5VDC	24VDC (3~28VDC)
ACCURACY (READOUT ONLY)						
0~50℃	±0.02%R ± 1 digit		±0.02%R ± 1 digit		±0.02%R ± 1 digit	
ANALOG OUTPUT						
	0~5VDC, 0~10VDC		—		0~5VDC, 0~10VDC	
	1~5VDC, 4~20mA		—		1~5VDC, 4~20mA	
OUTPUT						
Standard	High, Low Relay Contact (C Contact)		High, Low Relay Contact (A Contact)		4CH Relay Contact (A Contact)	
Option	Open Collector TR		Open Collector TR		Open Collector TR	
INPUT SIGNAL	1~3mV/V	0~5VDC 0~10VDC 1~5VDC 4~20mA	1~3mV/V	0~5VDC 0~10VDC 1~5VDC 4~20mA	1~3mV/V	0~5VDC 0~10VDC 1~5VDC 4~20mA
TRANSDUCER CURRENT DRIVE	120mA	100mA	120mA	100mA	120mA	100mA
AMPLIFIER FREQUENCY RESPONSE	5kHz		5kHz		5kHz	
EXTERNAL CONTROL	Peak Hold, Data Hold, Zero		—		Peak Hold, Data Hold, Zero	
COMPARATIVE CONDITION	High, Low Setpoint		High, Low Setpoint		4CH Setpoint	
DECIMAL POINT	Settable to 3 Digit Position		Settable to 3 Digit Position		Settable to 3 Digit Position	
ZERO DISPLAY	Leading Zero Suppression		Leading Zero Suppression		Leading Zero Suppression	

DIGITAL INDICATORS



MODEL	SC1500	SC2500	SC1800	SC2800	SC110H	SC210H
DISPLAY TYPE	LED(Red Color)		LED(Green, Red Color)		LED(Red Color)	
Max Readout	±19999		9999		±19999	
Reading Rate	15 or 30 or 120 times/sec		15 or 30 or 120 times/sec		1kHz/sec	
Height of Digits	14mm(0.55inch)		14mm(0.55inch)		14mm(0.55inch)	
PHYSICAL						
Operating Temperature	0~50℃		0~50℃		0~50℃	
Storage Temperature	-40~80℃		-40~80℃		-40~80℃	
Weight	Approx. 500g(Unit Only)		Approx. 600g(Unit Only)		Approx. 600g(Unit Only)	
DIMENSIONS						
Panel Cutout Dimensions	1/8DIN : 92×45mm		1/8DIN : 92×45mm		1/8DIN : 92×45mm	
Front Panel	96mm(W)×48mm(H)×110mm(D)		96mm(W)×48mm(H)×110mm(D)		96mm(W)×48mm(H)×110mm(D)	
ELECTRICAL DATA						
Power	85~245VAC (50/60Hz)		85~245VAC (50/60Hz)		85~245VAC (50/60Hz)	
Transducer Input Excitation	5VDC	24VDC(3~28VDC)	5VDC	24VDC(3~28VDC)	5VDC	24VDC(3~28VDC)
ACCURACY (READOUT ONLY)						
0~50℃	±0.02%R±1digit		±0.02%R±1digit		±0.02%R±1digit	
ANALOG OUTPUT	—		—		0~5VDC, 0~10VDC 1~5VDC, 4~20mA	
OUTPUT						
Standard	—		8Step NPN Open Collector TR		High, Low Relay Contact(C Contact)	
Option	—		—		Open Collector TR	
INPUT SIGNAL	1~3mV/V	0~5VDC 0~10VDC 1~5VDC 4~20mA	1~3mV/V	0~5VDC 0~10VDC 1~5VDC 4~20mA	1~3mV/V	0~5VDC 0~10VDC 1~5VDC 4~20mA
TRANSDUCER CURRENT DRIVE	120mA	100mA	120mA	100mA	120mA	100mA
AMPLIFIER FREQUENCY RESPONSE	5kHz		5kHz		5kHz	
EXTERNAL CONTROL	Peak Hold, Zero		Data Hold, Zero		Peak Hold, Data Hold, Zero	
COMPARATIVE CONDITION	—		8Step Setpoint		High, Low Setpoint	
DECIMAL POINT	Settable to 3 Digit Position		Settable to 3 Digit Position		Settable to 3 Digit Position	
ZERO DISPLAY	Leading Zero Suppression		Leading Zero Suppression		Leading Zero Suppression	

DIGITAL INDICATORS



MODEL	SC110E	SC210E	SC110R	SC210R	SC110B	SC210B
DISPLAY TYPE	LED (Red Color)		LED (Red Color)		LED (Red Color)	
Max Readout	±19999		±19999		±19999	
Reading Rate	15 or 30 or 120 times/sec		15 or 30 or 120 times/sec		15 or 30 or 120 times/sec	
Height of Digits	14mm (0.55inch)		14mm (0.55inch)		14mm (0.55inch)	
PHYSICAL						
Operating Temperature	0~50℃		0~50℃		0~50℃	
Storage Temperature	-40~80℃		-40~80℃		-40~80℃	
Weight	Approx. 600g (Unit Only)		Approx. 600g (Unit Only)		Approx. 500g (Unit Only)	
DIMENSIONS						
Panel Cutout Dimensions	1/8 DIN : 92×45mm		1/8 DIN : 92×45mm		1/8 DIN : 92×45mm	
Front Panel	96mm (W) × 48mm (H) × 110mm (D)		96mm (W) × 48mm (H) × 110mm (D)		96mm (W) × 48mm (H) × 110mm (D)	
ELECTRICAL DATA						
Power	85~245VAC (50/60Hz)		85~245VAC (50/60Hz)		85~245VAC (50/60Hz)	
Transducer Input Excitation	5VDC	24VDC (3~28VDC)	5VDC	24VDC (3~28VDC)	5VDC	24VDC (3~28VDC)
ACCURACY (READOUT ONLY)						
0~50℃	±0.02%R ± 1 digit		±0.02%R ± 1 digit		±0.02%R ± 1 digit	
ANALOG OUTPUT						
	0~5VDC, 0~10VDC		0~5VDC, 0~10VDC		—	
	1~5VDC, 4~20mA		1~5VDC, 4~20mA		—	
OUTPUT						
Standard	High, Low Relay Contact (A Contact)		High, Low Relay Contact (A Contact)		NPN Open Collector B.C.D	
Option	RS-485 Open Collector TR		RS-232C Open Collector TR		—	
INPUT SIGNAL	1~3mV/V	0~5VDC 0~10VDC 1~5VDC 4~20mA	1~3mV/V	0~5VDC 0~10VDC 1~5VDC 4~20mA	1~3mV/V	0~5VDC 0~10VDC 1~5VDC 4~20mA
TRANSDUCER CURRENT DRIVE	120mA	100mA	120mA	100mA	120mA	100mA
AMPLIFIER FREQUENCY RESPONSE	5kHz		5kHz		5kHz	
EXTERNAL CONTROL	Peak Hold, Data Hold, Zero		Peak Hold, Data Hold, Zero		Peak Hold, Data Hold, Zero	
COMPARATIVE CONDITION	High, Low Setpoint		High, Low Setpoint		High, Low Setpoint	
DECIMAL POINT	Settable to 3 Digit Position		Settable to 3 Digit Position		Settable to 3 Digit Position	
ZERO DISPLAY	Leading Zero Suppression		Leading Zero Suppression		Leading Zero Suppression	



SENSOR SYSTEM TECHNOLOGY CO.,LTD.

ADD : Rm.5010, Ansan Digital Park, 81, Neungan-ro,
Danwon-Gu, Ansan-Si, Gyeonggi-Do, Korea
TEL : 82-31-310-8910~9
FAX : 82-31-310-8920
<http://www.sensys.co.kr>
E-mail : master@sensys.co.kr

*Specifications are subject to change without notice.