

RKS

ROCKSENSOR™

Sensing beyond the Vision



Pressure



Flow



Level



Temperature

**SENSORS
TRANSMITTERS**

Product Brochure

ROCKSENSOR AT A GLANCE (ABOUT US)

Rocksensor is one of the global leaders specializing in Process Instrumentation, Research and Development and Designing of Industrial Automation Equipment. We provide highly precise pressure sensors and transmitters, flow metres, level transmitters and temperature transmitters with a prime focus to help our clients efficiently, safely and economically run complex industrial processes.

Rocksensor, headquartered in Switzerland, has its footprint in various geographical regions such as the US, Russia, South Korea, Italy, Germany, Singapore, Malaysia, Morocco, China, Taiwan, Australia, UAE, Brazil and India. Our clients come from some of the major industries such as Oil and Gas, Petrochemicals, Pharmaceuticals, FMCG, Automobiles, Water, Cement, Metal & Mining, and mainly from the Power Industry like Nuclear, Thermal, Hydro, and Solar.

Rocksensor deals in a wide range of highly accurate industrial automation instruments ensuring that even the complex industrial processes happen efficiently.

To fulfill the needs of our clients we make sure that our instruments work in even the harsh environmental conditions offering accurate recordings and communication.

We, at Rocksensor, believe in creating bonds that last a lifetime and create a success story for each and every client. Rocksensor aims to achieve a perfect fit in the global market landscape and establish our footprints across the globe.



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Model No. Specifications	Smart Differential Pressure Transmitter (RP1001)	Smart Gauge Pressure Transmitter (RP1002)	Smart Absolute Pressure Transmitter (RP1003)
Product Image			
Span	10/ 60/ 400/ 2500mbar, 30bar	upto 600bar	400/ 2500 mbar, 30bar
Accuracy	±0.035%, ±0.06%, ±0.1%		
Output	4-20mADC HART 7		
Power Input	9-36 VDC		
Static/ Burst Pressure	16MPa, 25 MPa, 40MPa	upto 90MPa	upto 4.5MPa
Process Conn. MOC	SS316L		
Filling Fluid	Silicon Oil/ Flourine Oil		
Diaphragm	SS316L, HC, FEP or Gold plated on SS316L, Tantalum	SS316L/ Hastelloy C/ Gold plated on SS316L/ Tantalum	
Ambient Temperature	(-)40 ~ 85°C		
Protection	IP67		

Model No. Specifications	Miniature Pressure Transducer without display (RP202S)	Sanitary Gauge/Absolute Pressure Transmitter (RP1002/3-DSH)	Submersible Pressure Transmitter (RP202L)
Product Image			
Span	-1 ~ 600bar	- 1 ~ 100bar	upto 200 meter
Accuracy	$\pm 0.1\%$ / 0.25% / 0.5%	$\pm 0.25\%$	$\pm 0.1\%$, $\pm 0.2\%$, $\pm 0.5\%$
Output	4 ~ 20mADC/1-5V/0-5V	4 ~ 20mADC	4 ~ 20mADC
Power Input	12 ~ 30VDC/ 5VDC	12 ~ 42VDC	12 ~ 36VDC
Overload Pressure	300kPa ~ 90MPa	1MPa, 2MPa, 7.5MPa	2 $\times$ FS
Sensor Body	SS316L		SS316
Diaphragm	SS316L, Hastelloy C, Customized	SS316L, Hastelloy C, Titanium Alloy	SS316L
Filling Fluid	Silicon Oil	Silicon/ Vegetable Oil/ Food Grade	Silicon Oil
Medium Temperature	$(-)30^{\circ}\text{C} \sim 120^{\circ}\text{C}$	$(-)30 \sim 200^{\circ}\text{C}$	$(-)40 \sim 125^{\circ}\text{C}$
Protection	IP65		IP67/ IP68 (Sensor)
Flange	-		DN25, DN32
Electrical connections	Direct lead/M12 navigation Plug/Hirschman/Parker/ Customized	Hirschmann Connector/M12	M20X1.5

Note: For more information, please contact us.



PRESSURE

Model No. Specifications	Remote Seal Differential Pressure Transmitter with Capillary (RP1001)	Remote Seal Differential Pressure Transmitter(Direct Mount) (RP1001)
Product Image		
Span	60mbar, 400mbar, 2500mbar, 30bar	
Accuracy	$\pm 0.06\%$, $\pm 0.1\%$	
Output	4-20mADC / HART	
Power Input	24 VDC (Nominal), 9-36 VDC	
Working Pressure	0.2 MPa, 7 MPa, 16MPa, 25MPa, 40MPa,	
Sensor Body	SS316L	
Diaphragm	SS316L, Hastelloy C, Gold plated on SS316L, FEP plated on SS316L, Tantalum	
Filling Fluid	Silicon Oil/ Flourine Oil, High Temperature Oil	
Process Temperature	(-)30 ~ 120°C/ upto 600°C	
Protection	IP67	
Flange	DN50, DN80, DN100	
Capillary Length	upto 12m or more (customized)	-
Capillary Protection	PVC Coating	-

Model No. Specifications	Remote Seal Gauge/Absolute Pressure Transmitter with capillary (RP1002/3)	Remote Seal Gauge/Absolute Pressure Transmitter Direct Mount (RP1002/3)
Product Image		
Span	400/2500mbar; 30/100/210/400bar	
Accuracy	$\pm 0.06\%$, 0.1%	
Output	4 ~ 20mADC With HART	
Power Input	24 VDC (Nominal), 9-36 VDC	
Sensor Body	SS316L	
Diaphragm	SS316L, Hastelloy C, Gold plated on SS316L, FEP plated on SS316L, Tantalum	
Sensor Body	SS316L	
Filling Fluid	Silicon Oil, Flourine Oil	
Medium Temperature	-30°C ~ 200/ 250/ 350/ 600°C	
Ambient Temperature	-40°C ~ 85°C	
Protection	IP67	
Flange	DN50, DN80, DN100	
Capillary Length	upto 20m or more (customized)	-
Capillary Protection	PVC Coating	-

Note: For more information, please contact us.



Model No. Specifications	Coriolis Mass Flowmeter (RF3200)	Thermal Gas Mass Flowmeter (RF3700)	Positive Displacement Flowmeter (RF3800)
Product Image			
Line Size	3 ~ 250mm	15 ~ 4000mm	10 ~ 200mm
Accuracy	±0.1/ 0.15/ 0.2/ 0.5%	±1/ 1.5/ 2.5%	±0.2/ 0.5%
Output	4 ~ 20mA current loop/ Pulse	Pulse/ 4 ~ 20mADC	4 ~ 20mADC
Power Input	12VAC ~ 30VAC/ 15VDC ~ 40VDC	24VDC or 220VAC	24VDC
Operating Pressure	1.6, 2.5, 4.0, 6.4, 10, 16, 25, 35, 70 MPa	1.6, 2.5, 4.0 MPa	1.6, 2.5, 4.0, 6.3 MPa
Operating Temperature	(-)50°C ~ 350°C	(-)20°C ~ 150°C	(-)20°C ~ 200°C
Comm. Protocol	RS485 / HART	RS485 / HART	RS485 / HART
Sensor/ Body Material	SS316L/ SS304/ SS304L	SS, CS	SS, MS, CI
Ambient Temperature	- 40°C ~ 55°C	(-)20°C ~ 50°C	0 ~ 85°C
Protection	IP67	IP65, IP67, IP68	IP67

Model No. Specifications	Electromagnetic Flowmeter (RF3300-E)	Vortex Flowmeter (RF3400)	Turbine Flowmeter (RF3500)
Product Image			
Line Size	10 ~ 4000mm	15 ~ 300mm	10 ~ 200mm
Accuracy	0.2%, ±0.3%, ±0.5%, ±1%	±1%, ±1.5%	0.5%, 1.0%
Output	4 ~ 20mADC	Pulse/ 4 ~ 20mADC	
Power Input	85 ~ 265VAC / 24VDC	24VDC (±10%)	24VDC (±10%); 12VDC
Operating Pressure	1.0, 1.6, 2.5, 4.0MPa	Standard 1.6MPa; Custom 2.5 - 4.0MPa	1.6, 2.5, 4.0, 6.4, 10, 16, 25, 32
Operating temperature	-	(-)10°C ~ 350°C	(-)20°C ~ 120°C
Comm. Protocol	RS485/ MODBUS/ HART	RS485 HART Protocol	RS485/ HART/ MODBUS
Sensor/ Body Material	SS304/ SS316	SS304/ SS316	SS304/ SS316
Ambient Temperature	- 25°C ~ 60°C	(-)30°C ~ 60°C	(-)20°C ~ 60°C
Protection	IP65 / IP67		IP65/IP67

Note: For more information, please contact us.



Model No. Specifications	Variable Area Flowmeter (RF3600)	Ultrasonic Flowmeter (RUF100)
Product Image		
Line Size	15 ~ 150mm	15 ~ 6000mm
Accuracy	±1.5%, ±2.5%	±1.0%
Output	Pulse/ 4 ~ 20mADC	
Power Input	24VDC, 220VAC	4 ~ 20mADC
Operating Pressure	1.0, 1.6MPa	-
Operating Temperature	(-)80° ~ 220°C	(-)30° ~ 160°C
Comm. Protocol	RS485, HART	RS485
Sensor/ Body Material	SS304/ SS316L/ FEP/ Hastelloy C/ Titanium	-
Applicable Pipe Material	-	SS/ MS/CS/ Copper/ Aluminium/ PVC/ FRP
Ambient Temperature	(-)20°C ~ 100°C	(-)20°C ~ 60°C
Protection	IP65 / IP67	IP68 (Sensor)

Model No. Specifications	Inline Ultrasonic Flowmeter (RUF200)	Portable Ultrasonic Flowmeter (RUF300)
Product Image		
Line Size	15 ~ 3000mm	15 ~ 6000mm
Accuracy	±1%	±1%
Output	Pulse/ 4 ~ 20mADC	
Power Input	4 ~ 20mADC	
Operating Temperature	(-)30° ~ 160°C	
Comm. Protocol	RS485	R232
Applicable Pipe Material	Steel/ SS/ CI/ Copper/ PVC/ Aluminium/ FRP	
Ambient Temperature	(-)20°C ~ 60°C	
Protection	IP68	IP65

Note: For more information, please contact us.



Model No. Specifications	RADAR Level Transmitter Horn Antenna (RLT6200/6600)	Compact RADAR Level Transmitter (RLT6400C)	RADAR Level Transmitter Sanitary Connections (RLT6400S)
Product Image			
Application	Liquid & Solids	Liquid & Solids with moderate dust	Food and Pharmaceutical Sectors
Measurement Range	0 ~ 30m, 0 ~ 70m	0 ~ 8m, 0 ~ 15m, 0 ~ 35m	0 ~ 30m
Beam Angle	*4~18°	8°	6°
Accuracy	±3mm,/ ±5mm/ ±15mm	±2mm	±2mm
Frequency	76 ~ 80GHz	80GHz	80GHz
Output	4 ~ 20mA/ HART	4 ~ 20mA/ HART/ RS485/ Bluetooth	4 ~ 20mA/ HART
Process Temperature	(-)40°C ~ 1000°C	(-)60°C ~ 80°C	(-)40°C ~ 200°C
Process Connection	Thread/ Flange	Thread	Tri- Clamp
Protection	IP67	IP67/ IP68	IP67

* Depends on Horn length

Model No. Specifications	RADAR Level Transmitter (RLT6500)	Guided Wave RADAR Level Transmitter (RLT8200)	Guided Wave RADAR Level Transmitter (RLT8600)
Product Image			
Application	Aggressive Liquids	Food and Pharmaceutical Sectors	Liquid & Solids with moderate dust
Measurement Range	0 ~ 35m	0 ~ 30m	0 ~ 8m, 0 ~ 15m, 0 ~ 30m
Accuracy	±5mm	±3mm	
Frequency	6GHz	100MHz ~ 1.8GHz	
Output	4 ~ 20mA/ HART		
Working Pressure	(-)1bar ~ 3bar	(-)1bar ~ 40bar	(-)1bar ~ 400bar
Ambient Temperature	(-)40°C ~ 70°C	(-)40°C ~ 70°C	(-)40°C ~ 85°C
Process Temperature	(-)40°C ~ 150°C	(-)40°C ~ 200°C	(-)40°C ~ 450°C
Process Connection	Thread/ Flange		
Protection	IP67	IP67	

Note: For more information, please contact us.



Model No. Specifications	RADAR Level Transmitter Lens Antenna (RLT6900L)	RADAR Level Transmitter with Rod Antenna (RLT6400R)	Ultrasonic Level Transmitter (RUL11XX)
Product Image			
Application	Bulk Solid, High Silos & Piles	Aggressive Liquids	Water, Power & Cement Sectors
Measurement Range	0 ~ 30/ 70/ 120m	0 ~ 30m/ 0 ~ 70m	0 ~ 5/ 10/ 15/ 20m
Beam	3°	3°, 7°	3°, 5°
Accuracy	±5mm	±2mm	±0.25%
Frequency	80GHz		
Output	4 ~ 20mA/ HART		28, 40, 50KHz
Working Pressure	(-)1bar ~ 20bar	(-)1bar ~ 2bar	<2bar
Ambient Temperature	(-)40°C ~ 80°C		(-)20°C ~ 70°C
Process Temperature	(-)40°C ~ 200°C		(-)40°C ~ 85°C
Process Connection	Swiveling holder with Flange, Air Purging	Thread/ Flange	
Protection	IP67		

Model No. Specifications	Microwave Barrier Level Switch (RMW210)	Admittance Level Switch Series (RRF312 RF)	Vibrating Rod Level Switch Series (RVR312)	Tuning Fork Level Switch Series (RTF312)
Product Image				
Application	Liquid, Solid & Interface		Liquid & Solid	
Measurement Range	0 ~ 200m	500 ~ 9999mm	125 ~ 9999mm	
Beam Angle	20°	-		
Frequency	24 ~ 26GHz	-	365Hz ~ 405Hz	355Hz ~ 365Hz
Output	DPDT	5A/250VAC or NPN/ PNP or DPDT	Relay, SPDT, 5A/ 250VAC or PNP/ NPN	Relay,SPDT,2A/250VAC or NPN/PNP or NAMUR
Power Input	AC100~24V±10%, 50/ 60Hz or DC 11V~32V	24VDC or 220VAC	Max.15VA	20 ~ 250VAC/DC, 50/60Hz
Sensor Body	Al/ SS with PTFE	SS304/ 316 with PFA/ PTFE		
Working Pressure	(-)1 ~ 4bar (upto 40bar with adapter)	0 ~ 20bar		
Ambient Temperature	(-)40°C ~ 70°C	(-40)°C ~ 70°C	(-)40°C ~ 60°C	(-)40°C ~ 70°C
Process Temperature	(-)40°C ~ 120°C	(-)40°C ~ 550°C	(-)40°C ~ 130°C	
Protection	IP67	IP65		

Note: For more information, please contact us.



TEMPERATURE

Model No. Specifications	Head Mount Temperature Transmitter (RTM5000)	Temperature Transmitter for Sanitary Applications display (RT2004 RTD)
Product Image		
Sensor Type	-	Pt100 temperature sensor
Accuracy	0.1%FS	±0.2°C
Output	4 ~ 20mA	4 ~ 20mADC, HART
Power Input	12 ~ 40VDC	7.5 - 45V
Working Temperature	(-)40°C ~ 80°C	(-)50°C ~ 200°C
Sensor Material	-	316L/ Titanium alloy
Process Connection	-	Tri-clamp DN15 ~ DN100
Protection Class	IP20	IP65
Input Type	Universal (RTD, TC, mV, Ohms)	-
Communication	HART (Optional)	-
Mounting	Head Mount	-
Isolation (Between Input & Output)	Fully Isolated	-

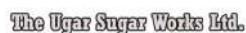
Model No. Specifications	DIN Rail Temperature Transmitter (RTM5001)	Field Mount Temperature Transmitter (RTT5000)
Product Image		
Input Type	Universal (RTD, TC, mV, Ohms)	Single/ Dual Input (RTD, TC, mV, Ohms)
Output	4 ~ 20mA	4 ~ 20mA (2-wire system)
Communication	HART (Optional)	HART (Optional)
Zero & Span Adjustment	-	Yes
Mounting	DIN Rail Mount	Field Mount
Digital Display	-	5 Digits LCD Display with Backlit
Isolation (Between Input & Output)	Fully Isolated	
Electric Isolation	Upto 2kV AC	Upto 1.5kV AC
Accuracy	±0.2%FS	>0.1%
Supply Voltage	DC12 - 40V	12 ~ 35 VDC
Working Temperature	(-)40°C ~ 85°C	
Protection Class	IP20	IP67

Note: For more information, please contact us.

NOTES

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GLIMPSE OF OUR INSTALLATIONS



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PRESENCE IN INDIA



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