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ROCKSENSOR®

Sensing beyond the Vision



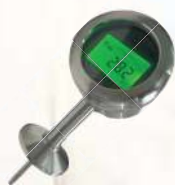
Pressure



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 & temperature transmitters with a prime focus to help our clients efficiently, safely and economically run complex industrial processes.

Rocksensor headquartered in Germany (originated in Switzerland), has its footprint in various geographical regions such as the US, Russia, South Korea, Italy, Germany, Singapore, Malaysia, 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 global market landscape and establish our footprints across the globe.



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Model No.	Smart Differential Pressure Transmitter (RP1001)	Smart Gauge Pressure Transmitter (RP1002)	Smart Absolute Pressure Transmitter (RP1003)
Specifications			
Span	0-0.3 ~ 30bar	0-6 ~ 600bar g	0-0.3 ~ 30bar a
Accuracy	±0.035%, ±0.06%, ±0.1%		
Output	4-20mA DC HART 7		
Static/ Burst Pressure	160bar, 250bar, 400bar	upto 700bar	upto 150bar
Diaphragm	SS316L/ Hastelloy C/ FEP plated on SS316L/ Gold plated on SS316L/ Tantalum	SS316L/ Hastelloy C/ Gold plated on SS316L/ Tantalum (customized)	
Process Connection	1/4"NPT (F) / 1/2"NPT (F)	1/2"NPT(F)/ (Customized)	

Model No.	Miniature Pressure Transmitter (RP200 series)	Sanitary Gauge/Absolute Pressure Transmitter (RP200-DSH)	Submersible Pressure Transmitter (RP202L)
Specifications			
Span	-1 ~ 1000bar	-1 ~ 1000bar	upto 200 meter
Accuracy	0.25% / 0.5%	±0.1%, ±0.2%	±0.1%, ±0.2%, ± 0.5%
Overload pressure	1.5 × FS	2 × FS	2 × FS
Diaphragm	SS316L, Hastelloy C	SS316L	SS316L
Medium Temperature	(-)30~120°C (~300°C optional)	(-)20°C ~ 150°C	(-)20 ~ 70°C
Process Connection	G1/2"(M)/G1/4"(M)/ (Customized)	G1.5" / G2" / G2.5" (Flush) (Customized)	G1" or Flange

Note: For Customised solution, please contact us.



PRESSURE

Model No.	Remote Seal Differential Pressure Transmitter with Capillary (RP1001)	Remote Seal Differential Pressure Transmitter(Direct Mount) (RP1001)
Specifications		
Span	0-0.3 ~ 30bar	
Accuracy	±0.06%, ±0.1%	
Output	4-20mADC / HART	
Diaphragm	SS316L, Hastelloy C, Gold plated on SS316L, Tantalum, (Customized)	
Process Temperature	(-)30°C ~ 200°C (std.)/ upto 600°C for Remote Model (Patented Technology)	
Flange	DN50, DN80, DN100, Customized	
Capillary Length/ Protection	upto 12m or more (customized)/ PVC Coating (optional)	-

Model No.	Remote Seal Gauge/Absolute Pressure Transmitter with capillary (RP1002/3)	Remote Seal Gauge/Absolute Pressure Transmitter Direct Mount (RP1002/3)
Specifications		
Span	Gauge: 0-6 ~ 600bar g/ Absolute: 0-0.3 ~ 30bar a	
Accuracy	±0.06%, ±0.1%	
Output	4-20mADC / HART	
Diaphragm	SS316L, Hastelloy C, Gold plated on SS316L, Tantalum, (Customized)	
Process Temperature	(-)30°C ~ 200°C (std.)/ upto 600°C for Remote type (Patented Technology)	
Flange	DN25, DN50, DN80, DN100, Customized	
Capillary Length/ Protection	upto 12m or more (customized)/ PVC Coating (optional)	-

Note: For Customised solution, please contact us.



Model No.	Coriolis Mass Flowmeter (RF3200)	Vortex Flowmeter (RF3400)	Turbine Flowmeter (RF3501)
Specifications			
Line Size	DN3 ~ DN250	DN15 ~ DN2000	DN4 ~ DN200
Application	Liquid/ Gas/ Slurry	Liquid/ Gas/ Steam	Liquids
Accuracy	±0.1% / 0.15% / 0.2% / 0.5%	±1% / 1.5%	±0.2% / ±0.5%
Output	4~20mA, Pulse/ RS-485/ HART		
Temp./ Pressure Range	Integrated: (-)40~+85°C Separate: (-)196~150°C/ 70MPa	(-)40~250°C/ (350°C optional)	-20°C ~ +150°C
Process Connection	Thread/ Flange/ Sanitary	Thread/ Flange/ Wafer/ Insertion	Thread/ Flange/ Tri-clamp

Model No.	Electromagnetic Flowmeter (RF3300 series)	Electromagnetic Flowmeter Battery Type (RF3300-B)	Electromagnetic Flowmeter Slurry Type (RF3301-SL)
Specifications			
Line Size	DN3 ~ DN3000	DN10 ~ DN2000	DN3 ~ DN3000
Application	Conductive Liquids >30μS/cm (Std.) (> 5 μS/cm optional)	Conductive Liquids >5 μS/cm	Conductive Slurries >20 μS/cm
Accuracy	±0.2% / 0.5% / 1% / 1.5%	±0.2%, ±0.5%, ±1%	±0.5%
Output	4~20mA, Pulse/ RS-485/ HART/GPRS		
Temp./ Pressure Range	Upto 180°C/ 4.0MPa		
Process Connection	Thread/ Flange/ Wafer/ Tri-clamp/ Insertion (customized)		

Note: For Customised solution, please contact us.



Model No.	Variable Area Flowmeter (RF3600)	Thermal Mass Flowmeter (RF3700)	Positive Displacement Flowmeter (RF3800)
Specifications			
Line Size	DN15 ~ DN150	DN10 ~ DN4000	DN10 ~ DN200
Application	Liquid/ Gas	Gas (Except Acetylene & Steam)	Viscous Liquid
Accuracy	±1.5%, 2.5%	±1%, ±1.5%, ±2.5%	0.5%
Output	4~20mA, Pulse/ RS-485/ HART		4~20mA, Pulse/ RS-485
Temp./Pressure Range	(-)40°C ~ 250°C/ 4.0MPa	(-)20°C ~ 150°C/ 4.0MPa	(-)20~80°C, (+)100~200°C/ 6.3MPa
Process Connection	Thread/ Flange/ Tri-clamp	Thread/ Flange/ Insertion	Flange

Model No.	Ultrasonic Flowmeter Wall Mount Type (RUF100)	Ultrasonic Flowmeter Inline Type (RUF200)	Ultrasonic Flowmeter Portable Type (RUF300)
Specifications			
Line Size	DN15 ~ DN6000	DN15 ~ DN3000	DN15 ~ DN6000
Application	Liquid		
Accuracy	±1%		
Output	4-20 mADC/ RS-485	4~20mA/ Pulse/ RS-485	RS-232
Max. Temperature	(-)30 ~ 160°C		
Process Connection	Clamp-on/ Insertion	Flange/ Thread	Clamp-on

Note: For more information, please contact us.



Model No.	80GHz Compact Radar Level Transmitter (RLT6400C)	140GHz Radar Level Transmitter (RLT6401-C)	80GHz Radar Level Transmitter (RLT6402-C)
Specifications			
Application	Liquids		Solids
Measurement Range	8/ 15/ 30/ 35m		
Beam Angle	8°		3°
Frequency	80GHz	140GHz	80GHz
Process Temperature	(-)40°C ~ 70°C/ 3bar	(-)40°C ~ 100°C/ 3bar	(-)40°C ~ 70°C/ 3bar
Process connection/ Antenna MOC	Thread G1 ¹ / ₂ /PP	Thread G1 ¹ / ₂ /PVDF	Thread G3/ PP

Model No.	80GHz/ 140GHz Radar Level Transmitter (RLT6400 series)				
Specifications	 RLT6400-R	 RLT6400-T	 RLT6400-F	 RLT6400-P	 RLT6400-S
Application	Liquids (Normal to Aggressive)				
Measurement Range	0-30m/ 0-70m/ 0-120m				
Beam Angle	3° / 7°	3°/7°/14°	3° / 7°	3°	6°
Frequency	80GHz/ 140 GHz				
Process Temperature	(-)40~130°C/ 3bar	(-)40~200°C/ 20bar	(-)40~200°C/ 25bar	(-)40~130°C/ 2bar	(-)40~130°C/ 16bar
Process Connection/ Antenna MOC	PP Thread or Flange/ Rod antenna (PTFE)	SS Thread or Flange/ Thread cone antenna (PTFE)	SS Flange/ Flange antenna (PTFE)	PP Thread or Flange/ Horn antenna (PTFE/PP)	SS Thread or Flange/ Tri clamp antenna (PTFE)

Note: For more information, please contact us.



LEVEL

Model No.	80GHz Radar Level Transmitter Lens Radar (RLT6900-L)	26GHz Radar Level Transmitter Parabolic Antenna (RLT6800S)	26GHz Radar Level Transmitter Horn Antenna (RLT6200)
Specifications			
Application	Fine, Coarser solids	Fine, coarser solids & dust	Solids or Liquids
Measurement Range	30/ 70/ 120m	70m	
Beam Angle	3°	8°/ 12°/ 18°	
Frequency	80GHz	26GHz	
Process Temperature/ Pressure	(-)40°C ~ 200°C/ 3bar	(-)40°C ~ 450°C/ 3bar	(-)40°C ~ 250°C/ 3bar
Process Connection/ Antenna MOC	SS Flange with Swivelling holder/ Lens Antenna (PTFE)	Thread or SS Flange/ Parabolic Antenna (PTFE)	Thread or SS Flange/ Horn Antenna (SS)

Model No.	Guided Wave Radar Level Transmitter (RLT8X00 series)				Level Switch (RLS7200 series)			
Specifications	RLT8100	RLT8200	RLT8300	RLT8600	RLS7200-VR	RLS7200-TF	RLS7200-AD	RLS7200-CP
								
Application	Liquids or Solids				Solid, Liquid, Powder, Slurry			
Measurement Range	0 ~ 3m / 0 ~ 6m/ 0 ~ 30m				High & Low Level			
Sensor Type	Cable/ Rod/ Coaxial				Vibrating Rod, Tuning Fork, RF Admittance Type, Capacitive Type			
Output	4-20mA/ HART				Relay, SPDT 2A or 5A/230VAC or PNP/NPN, Alarm			
Process Temperature/ Pressure	(-)40°C ~ 150°C/ 40bar				(-)40°C ~ 130°C/ 20bar			
Process Connection/ Sensor MOC	Thread or Flange/ SS				Thread or Flange/ SS +PTFE or PEEK			

Note: For more information, please contact us.



Model No.	Field Mount Temperature Transmitter (RTT5000)	Temperature Transmitter for Sanitary Applications (RT2000 RTD series)
Specifications		
Input Type	Single/ Dual Input (RTD, TC, mV, Ohms)	Pt100 temperature sensor (Inbuilt)
Accuracy	$\pm 0.1\%$	$\pm 0.2^{\circ}\text{C}$
Output	4 ~ 20mA (2-wire system)/ HART	4 ~ 20mADC/ HART
Working Temperature	As per Temperature Element	(-)50°C ~ 200°C
Sensor Material	-	SS316L/ customized
Process Connection/ Sensor MOC	-	Tri-clamp DN15 ~ DN100/ SS

Model No.	DIN Rail Temperature Transmitter (RTM5001)	Head Mount Temperature Transmitter (RTM5000)
Specifications		
Input Type	Universal (RTD, TC, mV, Ohms)	Thermocouple, RTD, Universal
Accuracy	$\pm 0.2\%\text{FS}$	0.1%FS
Output	4 ~ 20mA/ HART (optional)	4 ~ 20mA/ HART (optional)
Mounting	DIN Rail Mount	Head Mount
Isolation	Fully Isolated	
Electric Isolation	Upto 2kV AC	1500 Vrms

Note: For more information, please contact us.



Radar Level Flow Meter (RLF200)



- Application: River Canal, Flow Monitoring
- Measurement Range: Max. 60m
- Ranging antenna beam angle: 6°
- Accuracy: Level: $\pm 1\text{mm}$, Flow: $\pm 0.01\text{m/s}$
- Process Temperature: $(-)\text{30}^{\circ}\text{C} \sim 70^{\circ}\text{C}$

- Application: Bulk, Grains, Powders
- Measurement Range: 0~20/ 40/ 80/ 120m
- Beam Angle: 1.5°
- Level Accuracy: $\pm 2\text{mm}$; 3D modeling 1% ~ 5%
- Process Temperature: $(-)\text{40} \sim 75^{\circ}\text{C}$ (customise for high temp.)
- Used for 3D Level Measurement



3D Radar Scanner (ROCK3DR)

Microwave Barrier Switch (RMS7200)



- Application: Powder, Granule, Bulk solid, Floccule
- Measurement Range: 0 ~ 200m
- Beam Angle: $\pm 30^{\circ}$
- Frequency : 22 ~ 24GHz
- Proc. Temp.: $(-)\text{40}^{\circ}\text{C} \sim 120^{\circ}\text{C}$ (customized upto 500°C)
- Used for Blockage detection, High & Low Level detection

- Application: Temperature & Humidity measurement
- Output: 4-20mA, 0-5VDC, 1-5VDC; RS485
- Power Supply: 24VDC
- Accuracy: T: $\pm 0.3^{\circ}\text{C}$, H: $\pm 3\%$
- Working Temperature: T: $(-)\text{40} \sim 80^{\circ}\text{C}$, RH: 10-90%



Temperature & Humidity Transmitter (RTH5000 series)

Color Paperless Recorder (RPI series)



- Input: Universal
- Input No.: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 channels
- Output: 4-20mA, relay
- Data Display Type: Digit, Curve, Bargraph, Chart
- Power Supply: 100-240VAC; 24VDC
- Accuracy: $\pm (0.2\% \text{FS} + 1)$ digital
- Working Temp.: T: $0 \sim 50^{\circ}\text{C}$ H: 10-85% (no dew)

- Input: Universal
- Display: Dual 4-digit 7 segment LED display
- Output: 4-20mA, relay, 24VDC auxiliary power supply
- Power Supply: 100-240VAC
- Accuracy: $\pm (0.2\% \text{FS} + 1)$ digit
- Working Temp.: T: 0 to 50°C , H: 10-85%RH (no dew)



Universal Process Indicator (RPR series)

Note: For more information, please contact us.

OUR CLIENTS/ END USERS



OUR CLIENTS/ END USERS



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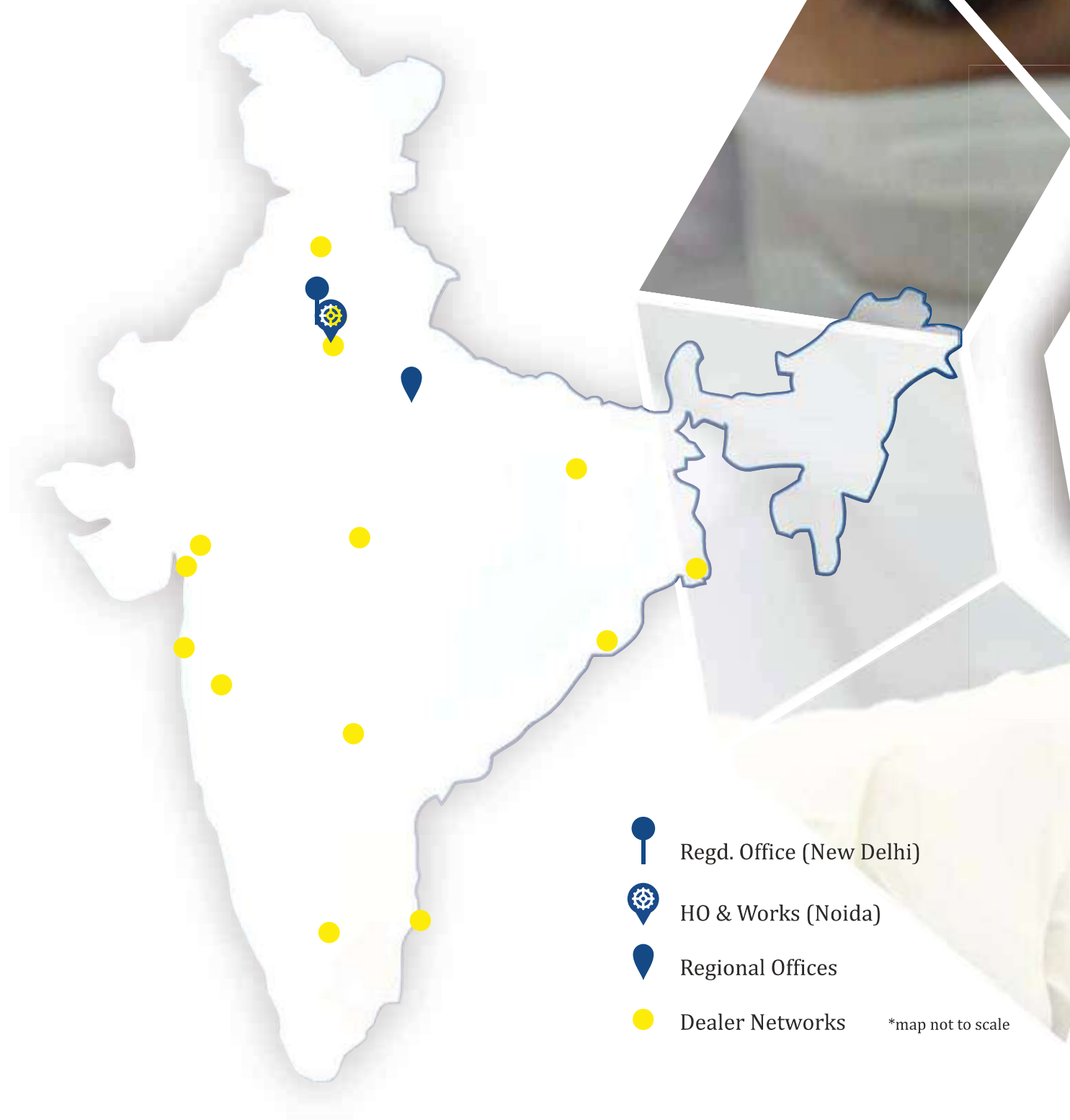
NOTES

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GLIMPSE OF OUR INSTALLATIONS



PRESENCE IN INDIA



- Regd. Office (New Delhi)
- HO & Works (Noida)
- Regional Offices
- Dealer Networks

*map not to scale

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