

RKS

ROCKSENSOR®

Sensing beyond the Vision



Pressure



Flow



Level



Temperature

**SENSORS
TRANSMITTERS
IIoT**

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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RockStream™ - IoT Platform 13



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	$\pm 0.035\%$, $\pm 0.06\%$, $\pm 0.1\%$		
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%	$\pm 0.1\%$, $\pm 0.2\%$	$\pm 0.1\%$, $\pm 0.2\%$, $\pm 0.5\%$
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	$\pm 0.06\%$, $\pm 0.1\%$	
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)	PTFE/ PFA with Anti-Vacuum Treatment (Diaphragm)

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	$\pm 0.06\%$, $\pm 0.1\%$	
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)	PTFE/ PFA with Anti-Vacuum Treatment (Diaphragm)

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/ 140GHz
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.



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

- Miniature Pressure Switch
- Measuring Range: Upto 100MPa
- Accuracy: $\pm 0.5\%$
- Output: 2-way switch PNP/NPN/relay, 1-way analog 4~20mA
- Protection Level: IP65



Digital Pressure Switch Transmitter (RP202D)

Color Paperless Recorder (RPR 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 (RPI series)

Note: For more information, please contact us.



pH Sensors & Controller (RpH/ORP900 series/ RPC900)



- RpH: Acidity/Alkalinity; ORP: Oxidation/Reduction power
- Silver Ions Ag/ Ag-Cl electrode
- High Accuracy, Fast Response, Good Repeatability
- Controller Accuracy: PH: $\pm 0.02\text{pH}$; ORP: $\pm 2\text{mV}$
- Range: pH (0~14); ORP (-2000~2000mV)

- Dual beam IR light detection technology
- Range: Solid concentration 0.01 ~ 120000 mg/L
- Protection: IP65 (Controller)/ IP68 (Sensor)
- Flow Rate: $\leq 2.5\text{m/s}$, 8.2ft/s
- Communication Protocol: MODBUS RS485
- Accuracy: $< 5\%$



Turbidity Sensor/ Controller (RTS100 series)

Conductivity Sensor/Controller (RCS100 series)



- Conductivity Range: 0.01~500ms/cm
- Temp. Compensation: NTC10K (opt. Pt1000, NTC2.252K)
- Measurement Accuracy: $\pm 1\%$
- Housing Material: PBT, SS304
- Ingress Protection: IP65 (Controller)/ IP68 (Sensor)

- Measuring Range: 0-120000mg/L
- Operating Temp.: (-)15~65°C
- Resolution: $< \pm 5\%$ of measured value
- Housing Material: Aluminium/ Plastic/ Wall & Panel Mount
- Protection: IP65 (Controller)/ IP68 (Sensor)



Total Dissolved Solids Sensor/ Controller TDS

Temperature & Humidity Transmitter (RTH5001)



- Wall Type Temperature & Humidity measurement
- Output: 4-20mA, 0-5VDC, 1-5VDC; RS485
- Power Supply: 24VDC
- Accuracy: T: $\pm 0.3^\circ\text{C}$, RH: $\pm 3\%\text{RH}$
- Measuring Range: T: (-)20 ~ 80°C, RH: 0-99.9%

- Duct Type Temperature & Humidity measurement
- Output: 4-20mA, RS485/Modbus
- Power Supply: 15-30VDC, 24VDC
- Accuracy: T: $\pm 0.3^\circ\text{C}$, RH: $\pm 3\%\text{RH}$
- Measuring Range: T: (-)40~200°C, H: 0-99.9%
- Stability: T: $< 0.04/ \text{year}$, RH: $< 0.5\%\text{RH}/\text{year}$



Temperature & Humidity Transmitter (RTH5002)

Note: For more information, please contact us.



Rocksensor's IIoT Ecosystem

Rocksensor offers, RockStream™ - Smart & Scalable IIoT Solutions along with Process Instruments engineered to perform in the toughest Industrial Environments – across Manufacturing, Utilities, Infrastructure, and more.

- **Sensors & Platforms** are built for Reliability delivering Real-time data, Intelligent analytics, and Seamless connectivity.
- **End-to-End IIoT Platform** – Provides real-time visibility, AI-driven insights, and predictive maintenance.
- **Reliable Gateway Hardware** – Ensures seamless sensor connectivity and remote configuration.
- **Secure Cloud Infrastructure** – Offers encrypted data pipelines and role-based access control.

A Future-Driven IIoT solution for Real-time Monitoring, AI-powered Analytics, and Industrial Intelligence.



Benefits

- **Real Time Dashboard** – A customizable main dashboard providing a high-level overview of all devices. Widgets will display key metrics, device status (active, inactive, error), and recent alerts.
- **Device Management** – A complete suite of tools for managing the device lifecycle. This includes a user-friendly modal for onboarding new device where users can define unique IDs, names, types, locations, and associated metadata.
- **Detailed Device View** – A unique feature that leverages an AI Agents to analyse device data. With a single click, users can receive an AI-generated summary of a device's performance, potential anomalies, and actionable insights.
- **AI-Powered Analysis** – This view provides comprehensive information, including device properties, current status, and an interactive chart for historical data analysis.

Why Choose Rocksensor

- **One Stop Solution**- Comprehensive measurement & IIoT Solutions in one place.
- **Quality Products & Robust Design**- Products manufactured to international standards.
- **Fast Delivery**- Efficient delivery of eve customized products.
- **Architect in USA & Hosted in India**- U.S.-designed architecture with robust Indian hosting.
- **PAN India Presence**- Wide network for quick support and services.
- **Design & Development**- Extensive R&D and manufacturing expertise.



Note: For more information, please contact us.

OUR CLIENTS/ END USERS



OUR CLIENTS/ END USERS



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- Oil & Gas
- Petrochemicals
- Railways

PRESENCE IN INDIA



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- HO & Works (Noida)
- Regional Offices
- Dealer Networks

*map not to scale

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