

REINMEER

www.reinmeer.com



STAINLESS STEEL PRESSURE TRANSMITTER WITHOUT GAUGE

RM-P01

[Data sheet](#)

Pressure transmitter
For demanding industrial applications



STAINLESS STEEL PRESSURE TRANSMITTER WITHOUT GAUGE MODEL RM-P01

REINMEER

Data sheet Model RM-P01

Application Areas

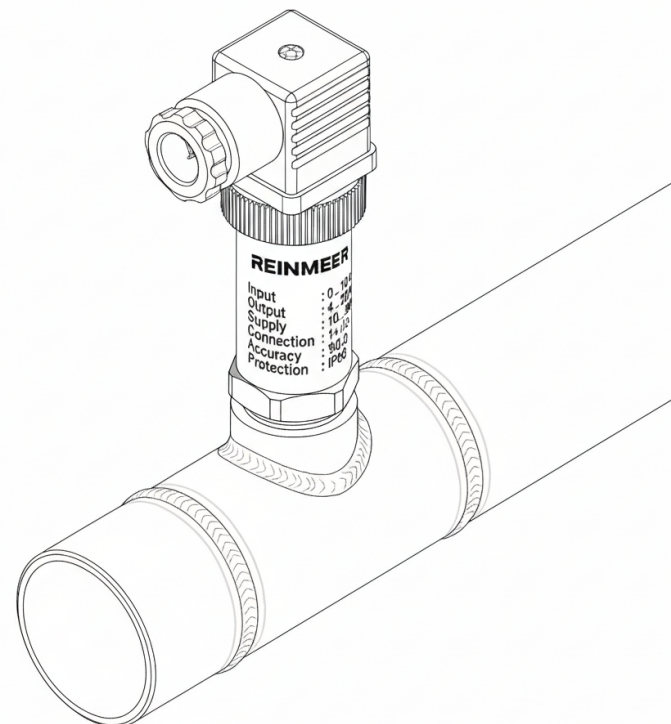
Critical industrial applications
Demanding applications in research and development
Harsh environments in the process industry

Features

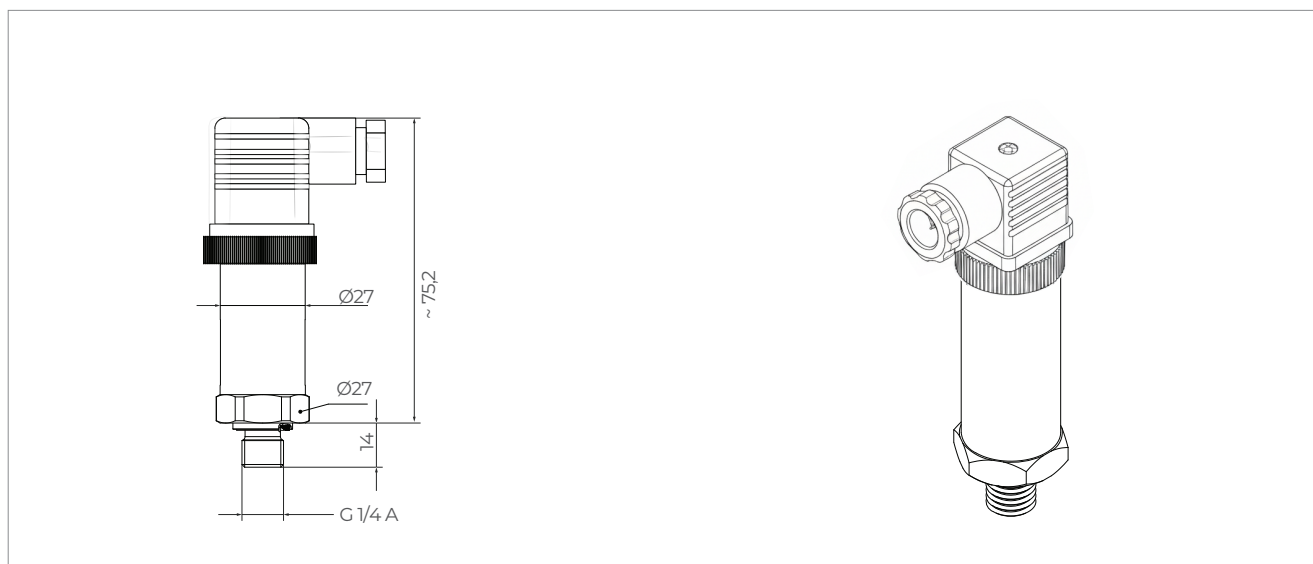
- Extreme variety, available at short notice from 1 piece
- High accuracy, low temperature error, selectable adjustment temperature
- Proven technology
- Special media and special versions

Description

The Reinmeer RM-P01 pressure transmitter is a high-performance specialist designed to deliver precision and reliability in the most demanding industrial environments. Engineered for versatility, it covers extensive measuring ranges from 0 ... 0.4 to 0 ... 1,600 bar, offering over a billion possible configurations with various output signals and process connections to meet specific application needs. Built to withstand extreme temperatures, vibrations, and aggressive media, the RM-P01 ensures long-term stability with a durability of up to 100 million load cycles. Its advanced design minimizes temperature errors through selectable adjustment settings, making it the ideal choice for critical processes requiring superior accuracy and robust protection, including IP68 and IP6K9K rated versions.



Structure



Pressure Range (BAR)	Min. -1 / Max. 2000
Overload (BAR)	F.S × 2

TECHNICAL FEATURES

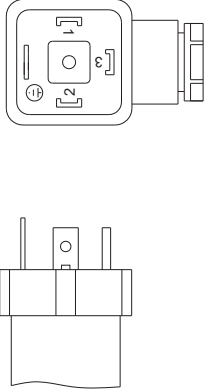
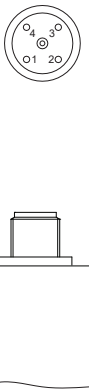
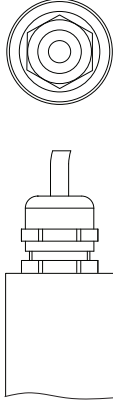
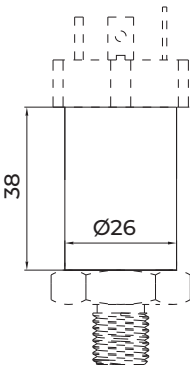
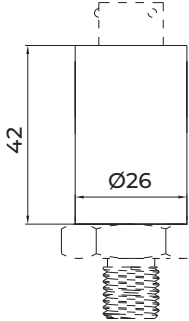
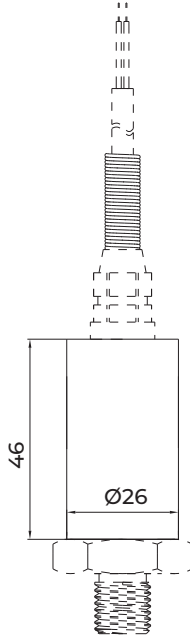
Working Principle	Measuring Principle	Piezoresistive Measuring Cell
Inputs	Measurement Variables	Relative and Absolute Pressure
	Measuring Range	Max. 2000 BAR
Outputs	Current Output	4-20 mA / 4-20 mA + HART / Optional 0-10 V (U = 10 V) / 0.02 A
	Load	(U-10 V) / 0,02 A
Precision	Accuracy	Full Scale ≤ %0,2
	Zero Point	±0,2 mV/V
Temperature Effect	Zero	±0,02 % FS / K
Operating Conditions	Operating Temperature	-40° ~ 135°C
	Ambient Temperature	-25° ~ 85°C
	Protection Class	IP65
Power Supply	Power Supply Voltage	10...36 VDC
Materials	Sensor	Stainless Steel 316L, Ceramic
	Process Connection	Stainless Steel 316L, Hastelloy C, other materials
	O-Ring	Viton
	Outer Box	Stainless Steel 316L
	Terminal	Plastic
Process Connections		G 1/4", G 1/2", G 1/2" flush, clamp, flange, and others
Size and Weight	Weight	Approximately 0.25 kg
	Size	Ø 27 × mm

STAINLESS STEEL PRESSURE TRANSMITTER WITHOUT GAUGE MODEL RM-P01

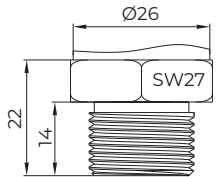
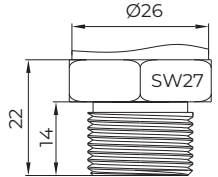
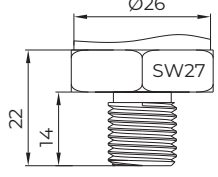
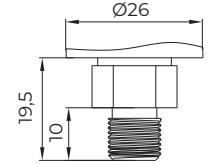
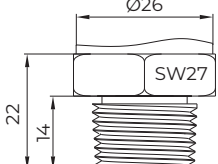
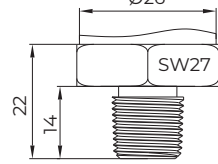
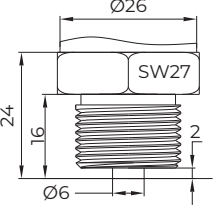
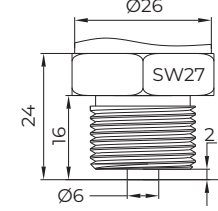
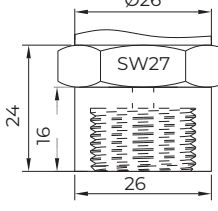
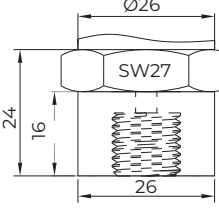
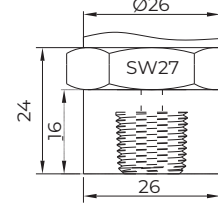
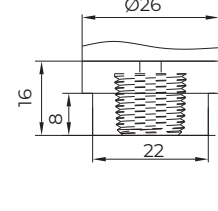


Data sheet Model RM-P01

Electrical interface

P01	P05	P04
 <p data-bbox="304 1089 416 1141">DIN43650 (standard)</p>	 <p data-bbox="752 1164 950 1215">circular connector with 4 pins</p>	 <p data-bbox="1093 1089 1496 1245">PVC cable Ø 5mm - 2 wires for current loop - 3 wires for voltage output - cable length (L) should be specified</p>
Electronics housing (casing)		
 <p data-bbox="253 1798 275 1828">38</p> <p data-bbox="337 1845 393 1875">Ø26</p>	 <p data-bbox="724 1798 745 1828">42</p> <p data-bbox="808 1845 863 1875">Ø26</p>	 <p data-bbox="1194 1798 1216 1828">46</p> <p data-bbox="1278 1845 1333 1875">Ø26</p>

MECHANICAL CONNECTION

	M20x1.5	G1/2	G1/4
Dimensions (mm)			
	G1/8	NPT1/2	NPT1/4
Dimensions (mm)			
	M20x1.5-c	G1/2-c	G1/2"(F) M20 x 1.5(F)
Dimensions (mm)			
	G1/4"(F)	1/4NPT(F)	1/4NPT(F)
Dimensions (mm)			

STAINLESS STEEL PRESSURE TRANSMITTER WITHOUT GAUGE MODEL RM-P01

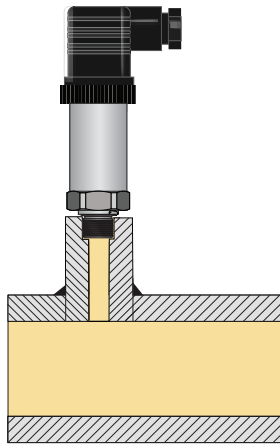
REINMEER

Data sheet Model RM-P01

Mounting Method

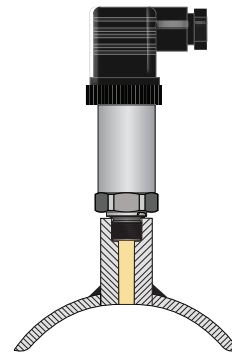
Pipeline installation

90°



Pipeline installation

90°



Contact us

Address :

Reinmeer Office Address
Eutiner Str.12,22143
Hamburg, Germany
reinmeer@reinmeer.com