

REINMEER

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PRESSURE TRANSMITTER WITH GAUGE

RM-P08

[Data sheet](#)

Pressure transmitter
For demanding industrial applications



PRESSURE TRANSMITTER WITH GAUGE MODEL RM-P08

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Data sheet Model RM-P08

Application Areas

Hydraulic systems
Oil & gas industry
Process industry
Water and wastewater systems
Industrial automation
Tank and pipeline monitoring

Features

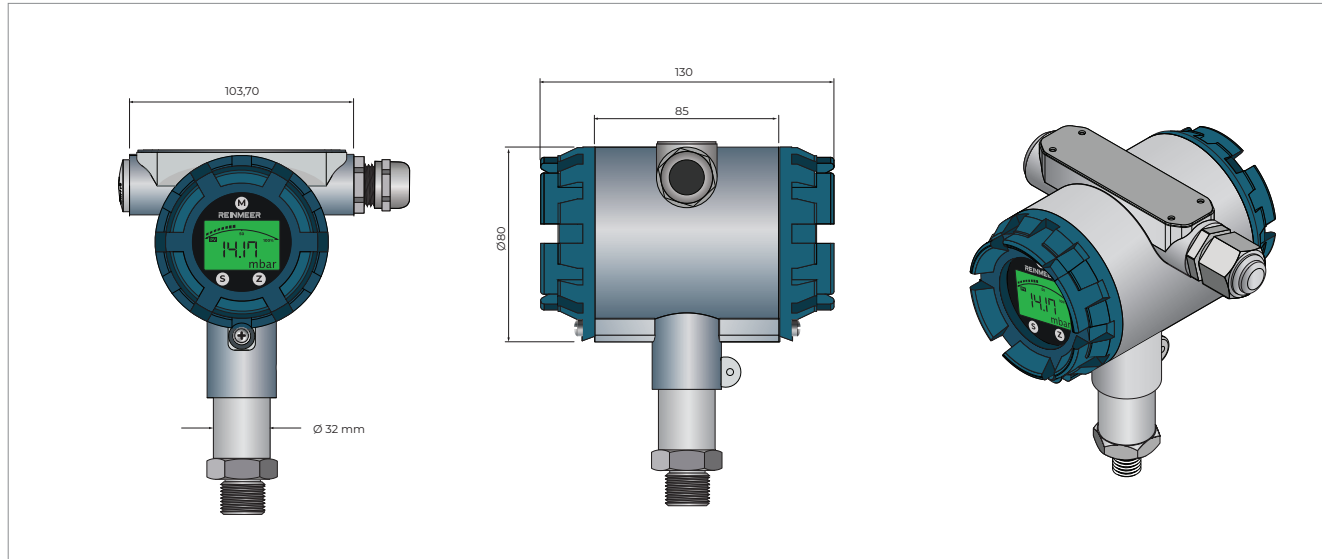
- Wide pressure range up to 2000 bar
- Integrated backlit LCD display for local indication
- 4–20 mA (standard), HART communication (optional)
- Optional 0–10 V output signal
- High accuracy up to $\pm 0.2\%$ FS
- Supports gauge and absolute pressure measurement
- Piezoresistive sensing technology
- On-site configuration via push buttons
- High overpressure resistance ($2 \times$ FS)
- Robust aluminum housing
- Wetted parts in 316L stainless steel and ceramic
- High temperature resistance (up to 80°C process)
- Protection class IP67
- Wide supply voltage range (10...36 VDC)
- Multiple process connection options (thread, flush, clamp, flange)
- Excellent long-term stability

Description

The Reinmeer RM-P08 LCD Display Pressure Transmitter is designed for precise and stable pressure measurement in industrial applications, featuring an integrated backlit LCD for local indication and parameter configuration. The device utilizes piezoresistive sensing technology and supports both gauge and absolute pressure measurement. It provides a standard 4–20 mA analog output with HART communication protocol, with an optional 0–10 V output for system compatibility. The transmitter is constructed with a robust aluminum housing and 316L stainless steel wetted parts, ensuring durability in demanding environments. With an accuracy of up to $\pm 0.2\%$ FS, high overpressure resistance, and excellent long-term stability, the RM-P08 ensures reliable performance under harsh operating conditions.



Structure



| | |
|-----------------------------|---------------------|
| Pressure Range (BAR) | Min. -1 / Max. 2000 |
| Overload (BAR) | 2 × FS |

TECHNICAL FEATURES

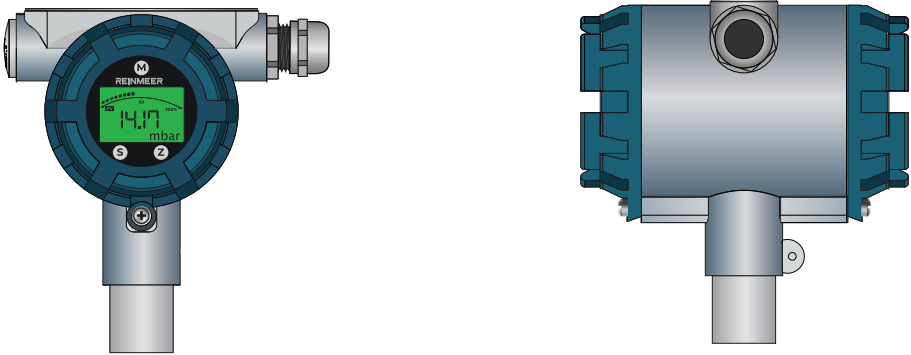
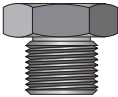
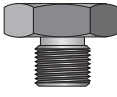
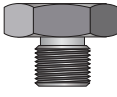
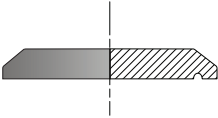

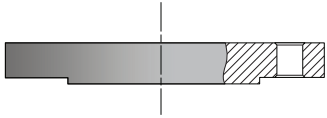
| | |
|----------------------------------|--|
| Measuring Principle | Piezoresistive |
| Measurement Type | Gauge / Absolute Pressure |
| Measuring Range | Max. 2000 BAR |
| Current Output | 4–20 mA / 4–20 mA + HART / Optional 0–10 V (U = 10 V) / 0.02 A / Rs485 |
| Accuracy | ± 0.2% FS |
| Zero Point | ± 0.2 mV/V |
| Temperature Effect (Zero) | ± 0.02 % FS / K |
| Output Signal | 4–20 mA + HART (standard), optional 0–10 V |
| Supply Voltage | 10...36 VDC |
| Load | (U < 10 V) / 0.02 A |
| Electrical Connection | M20x1.5 |
| Process Temperature | -40°C ... +80°C |
| Ambient Temperature | -25°C ... +80°C |
| Protection Class | IP67 |
| Housing Material | Aluminum |
| Wetted Parts | Stainless Steel 316L, Ceramic |
| Sealing | Viton (FKM) |
| Process Connection | Thread, flush, clamp, flange |
| Dimensions | Ø..... mm |
| Weight | ~0.6 kg |

**PRESSURE TRANSMITTER
WITH GAUGE
MODEL RM-P08**

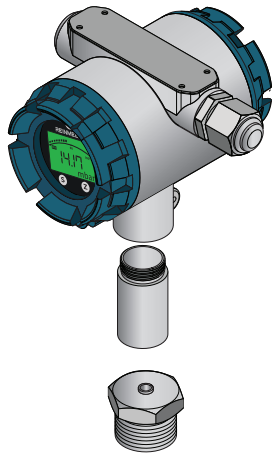
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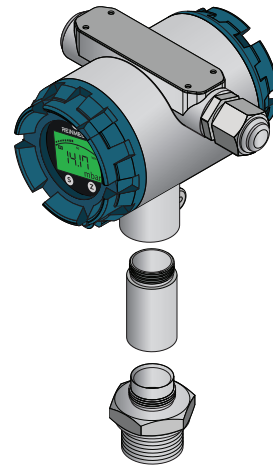
MECHANICAL CONNECTION

| | | | |
|---|--|--|--|
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Dimensions (mm)</p> |  | | |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Connection Types</p> |  <p style="text-align: center;">Thread</p> |  <p style="text-align: center;">Thread</p> |  <p style="text-align: center;">Thread</p> |
| |  <p style="text-align: center;">Clamp</p> |  <p style="text-align: center;">Fush</p> |  <p style="text-align: center;">Flange</p> |

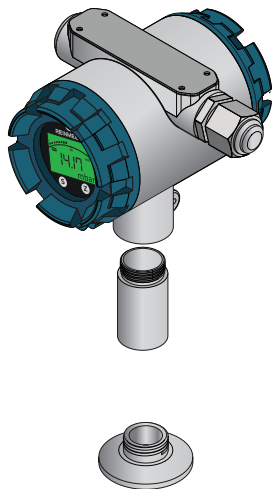
OTHER CONNECTION METHODS



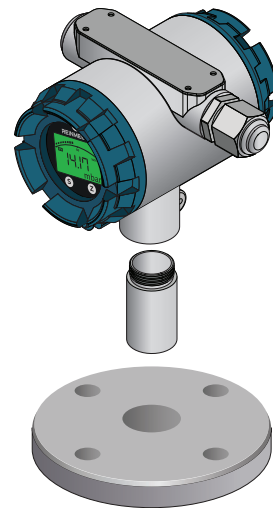
Thread



Push



Clamp



Flange

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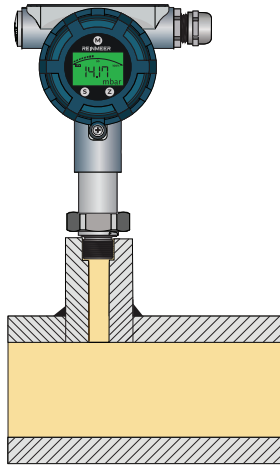
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Mounting Method

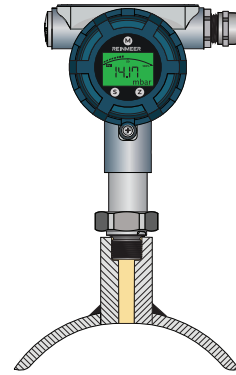
Pipeline installation

90°



Pipeline installation

90°



Contact us

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