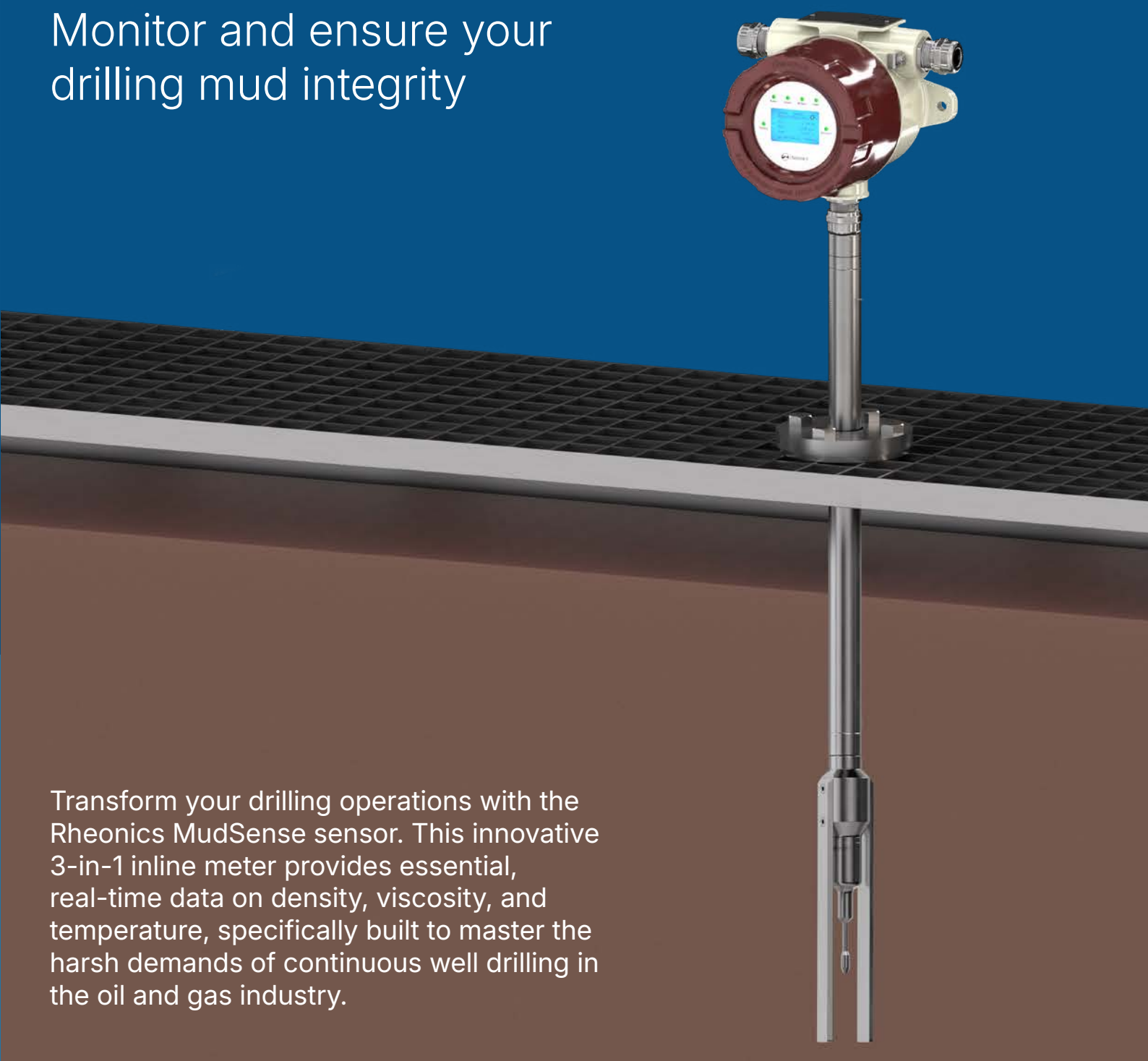
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Rheonics MudSense

Monitor and ensure your drilling mud integrity



Transform your drilling operations with the Rheonics MudSense sensor. This innovative 3-in-1 inline meter provides essential, real-time data on density, viscosity, and temperature, specifically built to master the harsh demands of continuous well drilling in the oil and gas industry.

Enhancing Well Drilling Safety and Efficiency with **Real-Time Drilling Mud Sensor**

Industry Needs

- Enhancing Operational Safety & Well Control
- Maximizing Efficiency & Reducing NPT
- Optimizing Operational & Material Costs
- Maintain Drilling Mud Integrity

Value Proposition of MudSense

Real-Time Density and Viscosity

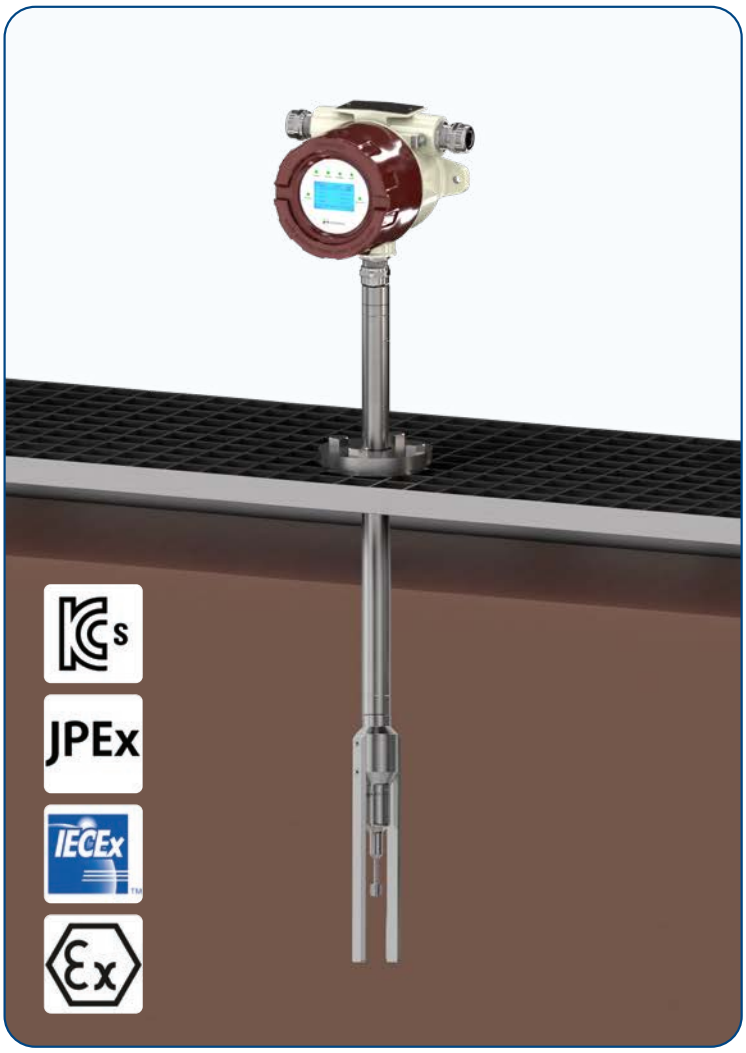
Drilling Mud Benefit	Broader Impact
Proactive Mud Weight Control	Enhanced Well Control reduced risk of kicks or lost circulation.

All-Metal, Robust Design

Resists Abrasion/ Corrosion	Minimal maintenance and extended lifespan in extreme environments.

Compact, Inline Installation

Direct measurements in pipes and tanks	Seamless integration into existing drilling rig infrastructure with simple, low-cost installation.



Benefits

- **Reliable Continuous Data**
- **Reliable Sefety & Control**
- **Operational Cost Rudction**
- **Enhances Surface logging**

Installation for drilling mud monitoring

Drilling Mud Tank or Vessel Installation

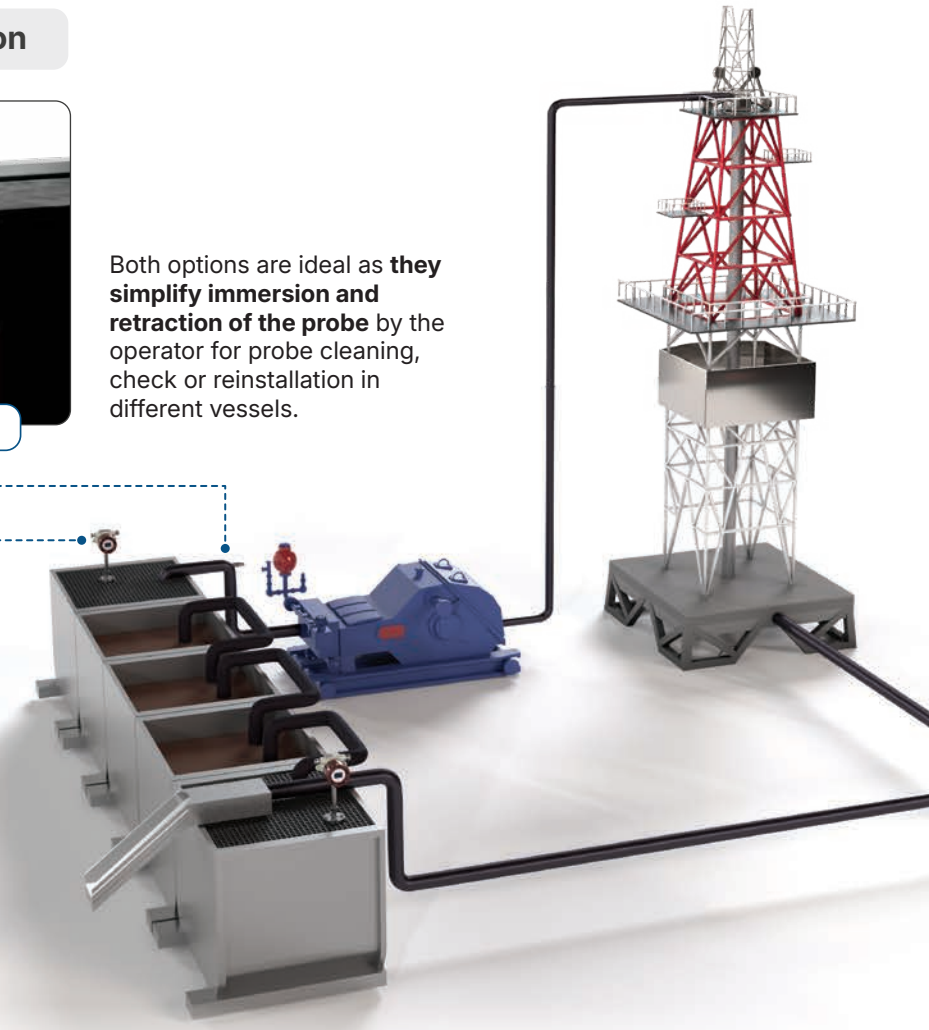


TMA-34N Tank Mount Adapter

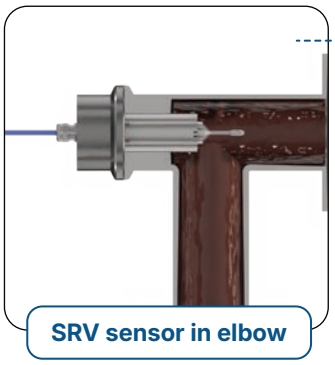


Teletube line

Both options are ideal as **they simplify immersion and retraction of the probe** by the operator for probe cleaning, check or reinstallation in different vessels.



Suction Line Installation



SRV sensor in elbow

Recommended installation is to place the sensor in an elbow with the sensing element against the flow direction

Recommended Sensor



Rheonics
SRD

Density Range
0.0 - 4.0 g/cc
0.0 - 33.4 lb/gal

Density Accuracy
0.001 g/cc
0.008 lb/gal

Reproducibility
Better than 0.1% of reading

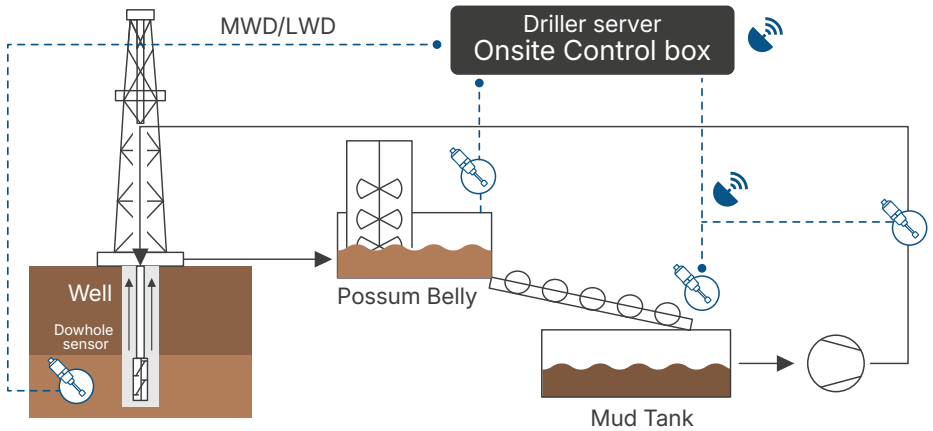
Material (Wetted parts)
Stainless steel 316L
Hastelloy C22

Temperature
Pt1000 (DIN EN 60751 class B)

Data Integration

SME Electronics runs multiple communication protocols natively

4-20 mA · Ethernet TCP/IP · Modbus TCP · Onboard Historian · USB · HART Communication Protocol · PROFINET · Bluetooth · Modbus RTU · Fieldbus Foundation · RS-485 · EtherNet/IP



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Ready to take advantage of real-time mud monitoring?

Scan to know more about Drilling Mud Monitoring and Control

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