

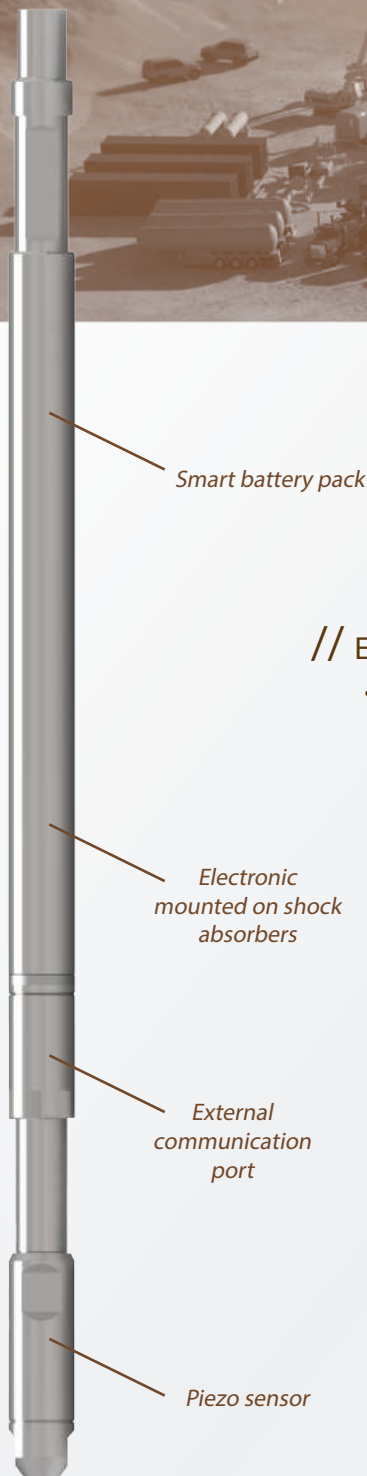
MORE DATA

MORE VALUE

MORE CONFIDENCE

PRM5

Pressure and temperature
Downhole Memory Gauge



View of the external port of communication

// ENHANCED ELECTRONIC PERFORMANCES

- Metal-to-metal seal for better protection of the electronic board.
- Low Maintenance gauge operated by anyone in less than 10 mins.
- Laterally locked battery avoids disconnection in operation.

// INNOVATIVE BREAKTHROUGH / BENEFITS

- External communication port reduces maintenance cost and time.
- High temperature electronic board protected and insulated from vibration.
- 4 times redundant memories to insure a higher security of your data.
- Smart battery system displays the remaining power of your cells.

// APPLICATIONS

- For very accurate reservoir monitoring, static/dynamic gradient and build-up.
- Production testing and artificial lift control, multi-well survey without reprogramming.

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PRM5

1.25" Pressure and temperature Downhole Memory Gauge

METROLOGY

Gauge Name	PRM5	PRM5-HPHT
Pressure	PiezoResistive Sensor	
Range	Atm. to 1.5kpsi up to 15kpsi (Atm. to 100 up to 1000 bar)	Atm. to 20kpsi up to 30kpsi (Atm. to 1380 up to 2000 bar)
Accuracy	± 0.05% FS	
Resolution	<0.05 psi (<0.003 bar)	
Drift	Low under 300°F - High above 300°F	
Temperature	PT100	
Operating Range*	0 to 300°F (-20 to 150°C)	0 to 300°F up to 350°F (-20 to 150°C up to -20 to 177°C)
Accuracy	± 0.6°F (± 0.3°C)	
Resolution	<0.01°F (<0.005°C)	
Battery type		
Temperature < 150°C 150°C < Temperature < 200°C	P15, LP15	P15, LP15 P20

*Calibrated range starts at ambient temperature (20°C)
Calibration down to -20°C available on demand

Mechanics

Material	Inconel X-750, 17-4 PH sour services (H ₂ S, CO ₂ , Acid) and stainless steel. MP35N available on demand
OD	1" ¼ (31.75 mm)
Length	20" up to 26" (52 to 67 cm)
Weight	3 to 3.5 lbs (1.5 to 1.75 kg)
Threads	15/16" 10 UNS (pin up x box down)
Bottom nose	¼" NPT (box)

Computer & Software (Powered by Metrowin)

Programming Modes	Conventional, Advanced
Parameters	1s-18h Scanning Rate, Time delay, Pressure start (Trigger, Threshold)
Windows	Compatible from Windows 2000 to Windows 10
Connector	RS232/ USB
Memory capacity	4.2M data points of pressure and/or temperature

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