AMETROLOG5
Pressure and temperature
Downhole Memory Gauge

ENHANCED RELIABILITY
• Metal-to-metal seal for better protection of the electronic board.
• Easy-to-use gauge operated by anyone in less than 10 mins.
• Battery laterally connected avoids disconnection in operation.

METROLOG BREAKTHROUGH
• Low cost memory gauge with faster temperature response.
• 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.

Metrolog
A SERCEL BRAND
AMETROLOG5
1.25” Pressure and temperature
Downhole Memory Gauge

METROLOGY

<table>
<thead>
<tr>
<th>Gauge Name</th>
<th>AMetrology5</th>
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</thead>
<tbody>
<tr>
<td>Pressure</td>
<td>PiezoResistive Sensor</td>
</tr>
<tr>
<td>Range</td>
<td>From ambient pressure to 1.5kpsi up to 15kpsi (Ambient to 100 up to 1000 bar)</td>
</tr>
<tr>
<td>Accuracy</td>
<td>± 0.05% FS</td>
</tr>
<tr>
<td>Resolution</td>
<td>&lt;0.05 psi (&lt;0.003 bar)</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Temperature</th>
<th>PT100</th>
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<tbody>
<tr>
<td>Operating Range*</td>
<td>0 to 300°F (-20 to 150°C)</td>
</tr>
<tr>
<td>Accuracy</td>
<td>± 0.6°F (± 0.3°C)</td>
</tr>
<tr>
<td>Resolution</td>
<td>&lt;0.01°F (&lt;0.005°C)</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Battery type</th>
<th>Ap15, P15, LP15, CP15</th>
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</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>&lt; 150°C</td>
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</table>

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

Mechanics

Material | 17-4 PH sour services (H₂S, CO₂, Acid) and stainless steel. MP35N available on demand |
OD       | 1” ¼ (31.75 mm) |
Length   | 16” up to 23” (42 to 58 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 | USB |
Memory capacity | 4 200 000 data points of pressure and/or temperature |

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