**Performance and Reliability**

Solutions custom-fit to your application

<table>
<thead>
<tr>
<th>Model</th>
<th>Hammer Union (Figure 1932)</th>
<th>WMD, Mud Pump Pressure</th>
<th>RIG, Mud Pump Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viatran</td>
<td>Hammer Union pressure transmitter for use in wellbore cementing, fracturing and acidizing</td>
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</tr>
<tr>
<td></td>
<td>Easy access connectors housing with a 77% greater area</td>
<td>NACE Compliant (MM275-2009 and ISO 15197)</td>
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</tr>
<tr>
<td></td>
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<td>EN, HSE, ATEX and PED approvals available</td>
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<td></td>
<td>Reliable and Field adjustable</td>
<td>Reliably leak-proof</td>
<td>Reliably leak-proof</td>
</tr>
</tbody>
</table>

### 511 Hammer Union (Figure 1932)

**Rig Safety**

- **Rig Safety**
  - A robust pressure transmitter that is submersible, measuring liquid level and depth
  - **DLT** series allows for a quick sensor swap without removal of insulated cable

### 367 General Purpose Level Oil & Transmission

- **General Purpose Level Oil & Transmission**
  - Low-cost, rugged pressure transmitter provides a reliable measurement solution
  - **Locked and Cabled**
  - Resistant to pressure spikes
  - Welded stainless steel construction

### 363 Flush Tip Mud Pump Inlet Pressure

- **Flush Tip Mud Pump Inlet Pressure**
  - Low-cavity design*
  - Isolated sensor design virtually eliminates torque effect on output signal
  - **Solid stainless steel machined deployments**
  - Withstand pressure spikes up to 32 proof and 30 burst pressure
  - Fully welded and sealed housing important to fluid logistics

**Pressure Sensing Solutions Drilling**

**Contact Viatran directly or your local representative**
Downtime is expensive. Protect your bottom line with quality products from Viatran.

For half a century, Viatran has been solving pressure and level measurement problems in some of the world’s toughest application environments. With a long-standing reputation of superior construction and rugged performance, Viatran pressure and level transmitters have been meeting the demands of the oil and gas industry in drilling, secondary recovery, offshore and land-based production.

From the North Slope of Alaska to the Sahara Desert, oil rig environments require process instruments that must be able to withstand constant subjections to changing pressure, temperature, humidity, corrosion, vibration and shock. Viatran products measure up to each task.

Viatran’s substantial expertise in oil and gas allows us to provide outstanding solutions and support upon which you can depend for durable quality and fast service to keep your operation up and running efficiently.

Viatran products are designed to promote oil rig safety at every turn, solving any problems that may occur quickly and easily – with maximum productivity and minimum downtime.

Viatran oil rig pressure sensors and transmitters are renowned for providing rapid performance and reliable pressure measurements in the even the toughest environments.

The Value of Viatran to Your Operation

Viatran value is measured in maximum reliability and minimal repair, unlike products that result in less durability and more downtime for replacement. Viatran value is worth your investment for the long run:

PRODUCTS
50 years of proven solutions

TECHNICAL SUPPORT
Expert problem solvers

CUSTOMER SERVICE
Fast, friendly and honest

Oil & Gas

solutions for Oil & Gas

Viatran PRESSURE SENSORS IN OIL RIG APPLICATIONS
Designed for rugged environmental conditions

1. Hook Load
   Measure weight of drill string
   Model 571

2. Top Drive
   Measure hydraulic pressure for control systems
   Models 570, 571

3. Standpipe
   Measure standpipe pressure
   Models 570, 571

4. Iron Roughneck
   Measure torque while attaching drill pipe using hydraulic pressure measurements
   Models 570, 571

5. Catwalks
   Measure hydraulic pressure
   Models 570, 571, 567

6. Accumulator Unit
   Measure inlet/outlet pressure
   Models 576, 571

7. Water Reservoir or Tank Levels
   Measure fluid levels
   Model DLT

8. Rig Hydraulic Lift
   Measure hydraulic pressure, monitor raising or lowering of deck for directional drilling
   Models 570, 571

9. Choke Manifold
   Measure manifold pressure
   Models 511, 571

10. BOP (Blowout Protector)
    Measure wellhead pressure
    Models 570, 571

11. Power Generation Units
    Measure lube oil, water and hydraulic fluid pressures
    Models 570, 571, 567

12. Fluid Manifold
    Measure drilling fluid pressure
    Models 511, 571, 579, 571

13. Mud Return Line
    Measure drilling mud pressure to monitor and control mud flow
    Models 511, 571

14. Mud Pump (Outlet Pressure)
    Measure pressure and flow of mud media
    Model 347

15. Transmission Pressure
    Measure pressure of transmission oil
    Models 570, 571

16. Mud Pump (Inlet Pressure)
    Measure pressure of lube oil lines
    Models 511, 571

17. Water Reservoir or Tank Levels
    Measure fluid levels
    Model DLT

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