



## AN ECONOMIC APWD SOLUTION WITHOUT THE M/LWD TOOL INTEGRATION HASSLES

Perform APWD measurement with a hassle-free drop-in sensor system.

Maintain optimum mud pressure by monitoring downhole dynamic pressure in real time.

Designed to interface with either top-mounted or bottom-mounted pulsers.

Both standard version (150°C and 20,000 psi) and HTHP version (175°C, 25,000 psi) are available.

### FEATURES & BENEFITS

- Measures annular pressure while drilling from a field-proven at-bit tool system
- Transmits pressure measurements in real time via a built-in EM short-hop communication system
- Powered by self-contained batteries with battery life up to 200 hours

### APPLICATIONS

- Detect an overpressured zone
- Monitor downhole dynamic pressure to allow making timely adjustments to mud density to maintain optimum mud pressure

**PressureTracker** provides annular pressure measurements while drilling from a field-proven at-bit tool system.

**PressureTracker** may be run either below or above a motor. In either case, the pressure measurements are transmitted to the surface in real time via a built-in EM short-hop system linked to the MWD data telemetry system.

**PressureTracker** interfaces with top- or bottom-mounted pulsers thru a drop-in EM short-hop receiver node on the MWD string. No special datalinks are required for integration with the MWD system.

### TOOL FEATURE HIGHLIGHTS

- Drop-in EM short-hop receiver module retains MWD tool string retrievability
- Available in 4-3/4 in., 6-3/4 in. and 8-in. collar sizes
- Options available to include gamma sensors in 6-3/4 in. or larger collar sizes

### SPECIFICATIONS

<b>Tool OD</b>	5 in, 6-3/4 in., or 8 in.
<b>At-bit Sub Length Face-to-Face</b>	35 in. (89 cm)
<b>Max RPM</b>	300
<b>Max Operating Pressure</b>	20,000 psi (138 MPa)
<b>Max Operating Temperature</b>	175° C
<b>Vibration</b>	Max 20 Grms, 50-1000Hz
<b>Shock</b>	Max 500 G, 0.5ms (z-axis), 1000 G, 0.5ms (x- or y-axis)

### MEASUREMENTS

<b>Pressure</b>	<b>Range</b>	0 – 20,000 psi (138 MPa)
	<b>Accuracy (% FS)</b>	0.1
	<b>Repeatability (% FS)</b>	0.1
<b>Continuous Inclination</b>	<b>Range</b>	0 - 180 degrees
	<b>Repeatability</b>	±0.2 degrees
	<b>Update Interval</b>	10 sec.
<b>Shock &amp; Vibration</b>	<b>Range</b>	0 – 100 G
	<b>Accuracy</b>	±1 G @ 20 G, 100 Hz
<b>RPM</b>	<b>Range</b>	0 – 300