



PERFORM APWD MEASUREMENTS WHILE PLACING YOUR WELL BORE IN THE SWEETEST SPOTS

Perform APWD & azimuthal gamma measurements from one at-bit sub.

Maintain optimum mud pressure by monitoring downhole dynamic pressure in real time while making well placement decisions in response to lithology changes.

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 both annular pressure while drilling and azimuthal gamma from a field-proven at-bit tool system
- Transmits pressure and azimuthal gamma 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
- Place wellbore in the pay zone with the azimuthal gamma images

PressureTracker Duo provides annular pressure measurements while drilling & azimuthal gamma simultaneously from a field-proven at-bit tool system.

PressureTracker Duo 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 Duo 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 6-3/4 in. and 8 in. collar sizes

GENERAL

Tool OD	6.75" or 8"
At-bit Sub Length Face-to-face	35" (89cm)
Max RPM	200
Max Operating Pressure	20,000 psi (138 MPa)
Max Operating Temperature	150°C or 175°C
Vibration	Max 20 Grms, 50-1000Hz
Shock	Max 500 G, 0.5ms (z-axis), 1000 G, 0.5ms (x- or y-axis)

MEASUREMENTS

Pressure

Range	0 – 20,000 psi (138 MPa)
Accuracy (% FS)	0.1
Repeatability (% FS)	0.1

Azimuthal Gamma

Range	0 – 1000 API
Accuracy	±5 API @ 250 API
Number of Sectors	16
Measure Point to Bit	16 in.

Continuous Inclination

Range	0 - 180 degrees
Repeatability	±0.2 degrees
Update Interval	10 sec

Shock & Vibration

Range	0 – 100 G
Accuracy	±1 G @ 20 G, 100 Hz

RPM

Range	0 - 300
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