

P-360

The P-360 Measurement While Drilling (MWD) tool is a fully-retrievable positive pulse system that transmits data by creating positive mud pulses inside the drill string transmitting data to the surface.

OPERATING PARAMETERS

Parameter	Range
Telemetry	Positive Mud Pulse
Collar Sizes	89–229 mm (3.5–9 in)
Operating Flow Rate	up to 4.2 m ³ /min (1,100 gpm)
Mud Weight	900–2,150 kg/m ³ (7.5–18 ppg)
Sand Content	<2%
Operating Temperature	-20°C – 150°C (-4°F – 302°F)
Operating Pressure	Maximum 135,000 kPa (20,000 psi)
Pressure Drop Across Tool	700 kPa @ 1.5 m ³ /min (100 psi @ 400 gpm)
LCM Tolerance	72 kg/m ³ (25 lb/bbl) & greater, LCM pending

* 55 mm (2.125 in) of drill string ID is required to wireline retrieve the P-360 MWD tool

MWD SENSOR SPECIFICATIONS

Parameter	Range	Accuracy
Azimuth	0–360 Deg	+/- 1.0 Deg
Inclination	0–180 Deg	+/- 0.2 Deg
Toolface	0–360 Deg	+/- 5.0 Deg
Temperature	0–150°C (302°F)	
Gamma	0–1,024 cps	+/- 1 AAPI

- ▶ Wireline retrievable and re-seatable design decreases the expense and lost time associated with downhole problems
- ▶ Operates with standard tri-axial, magnetometer and accelerometer sensors to determine azimuth, inclination, toolface, gamma ray readings and temperature
- ▶ Provides real-time gamma reading when operated with gamma while drilling module and even more precise readings when configured with focused gamma module
- ▶ Drills in slim borehole sizes by utilizing tubulars as small as 89 mm (3.5 in)

