

PWR

Propagation Wave Resistivity

LWD Service

Service Benefits

Available in 4-3/4", 6-3/4", 7-3/4" and 8-1/4" OD tool diameters.
 Unique patented wellsite calibrator.
 Sonde configuration electronics for flexibility and reliability.
 1 Mhz transmitter frequency provides industry leading depth of investigation.
 Dual transmitter borehole compensation design enhances accuracy and reliability.

Sensor Specifications

PWR Sub Assembly Length:	10 feet 4 inches (3.14 meters)
Power Source:	High Temperature Lithium Battery
Maximum Operating Temperature:	150°C
Measurement Range:	0.2 to 2000 ohm-meters
Measurement Technique:	1.0 Mhz dual transmitter dual receiver compensated phase.
Accuracy:	+/- 2% 0.2 - 20 ohm-meters
Phase Difference:	+/- 5% 20 - 50 ohm-meters
	+/- 10% 50 - 200 ohm meters
	+/- 20% 200 - 500 ohm-meters
	Reduced Accuracy 500 - 2000 ohm-meters
Repeatability:	+/- 1% of reading
Vertical Resolution:	Nominal 12 inches.
	6 inches with deconvolution processing.
Corrections:	Tool size, Borehole diameter and mud resistivity.
Calibration:	Field Calibration Fixture, Air Hang, Saline Tank.
Memory:	2Mb of non-volatile memory
Log enhancement and modeling:	Deconvolution, Response modeling software, Dipping Bed model, Field and tank calibration.

