

Product Information

Enteq MWD Systems



MFPWR Resistivity®

Multiple Frequency Propagation Wave Resistivity

MFPWR Resistivity® is a spatially compensated, dual frequency (2 MHz & 400 kHz), dual spacing device designed for wireline-equivalent Logging-While-Drilling (LWD) services in all well types.

Applications include: geosteering, correlation, casing point selection, logging while tripping & reservoir evaluation.

- MFPWR Resistivity® is an evolution of the current well established single frequency PWR Resistivity® system.
- Operates in all mud types including oil-based and salt-saturated and provides real-time resistivity to surface via mud pulse or EM transmission.
- Quad Transmitter | Dual Receiver arrangement provides 16 individual resistivity measurements which are combined to produce 8 compensated measurements.
- 3 curves transmitted in real time (user selectable).
- 5 additional curves available from tool memory.
- Tools available in 3 1/2", 4 3/4", 6 3/4", 8 1/4" & 9 1/2" sizes.
- Tools are powered by Lithium Thionyl Chloride Batteries which can be replaced at the rig site or by RMS/Strata Turbine Generator.



REMOTE MEASUREMENT
SYSTEMS LIMITED



Strata Measurement



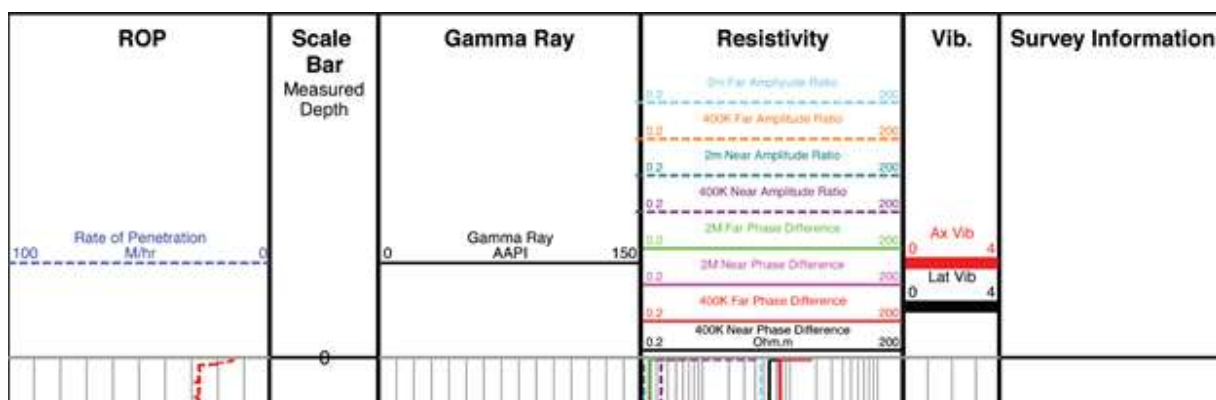
Contact

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Resistivity Measurements	Specifications
Measurement Type	Multiple frequency and spacing Phase and Amplitude electromagnetic wave propagation
Frequency	2MHz Programmable with 1 MHz option 400kHz Programmable with 1 MHz option
Range	0.2 – 2,000 ohm-m
Accuracy	+/- 2% to 50 ohm-m +/- 10% to 200 ohm-m
Repeatability	1% measurement / 0.05 Degrees phase (2-ohm)
Vertical Resolution	8" Typical
Depth of Investigation	Typical at 10 ohm-m 2 MHz Phase 26" Near Measurement 37" Far Measurement 2 MHz Ar 36" Near Measurement 49" Far Measurement 400 kHz Phase 40" Near Measurement 53" Far Measurement 400 kHz Phase 60" Near Measurement 76" Far Measurement
Temperature – Operating	175 °C
Temperature – Survival	200 °C
Pressure Limit	20,000 psi
Shock	1,000g 0.5mS half sine
Vibration	20G RMS 30-300Hz
Memory Capacity	400 Hours
Power Supply	Lithium Battery or Mud Turbine
Tool Outside Diameters	3 1/2", 4 3/4", 6 3/4", 8 1/4", 9 1/2"



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Useful links

Technical Support: techsupport@enteq.com

Suggestions and Questions: suggestions@enteq.com

Software Downloads: www.enteq.com/downloads

Repair Services: www.enteq.com/mwd-support-services