

Combined Verticality Focused Electric/Natural Gamma DGGG42

The **Combined Verticality/Focused Electric/Natural Gamma DGGG42** from *electromind* provides:

- a continuous measurements of borehole inclination and direction
- a focused electric resistivity measurement with excellent vertical resolution and depth of investigation, with added formation capacitance and chargeability information
- a natural gamma measurement by using one scintillator and two Geiger-Muller tubes

The **Combined Verticality/Focused Electric/Natural Gamma DGGG42** features:

- An operation in all borehole inclinations and directions
- A small 42mm diameter
- A 6 measurements combination in compact array for single run multi parameters acquisition

TECHNICAL SPECIFICATIONS

| | |
|--------------------------|------------------|
| Length: | 2.26m |
| Diameter: | 42mm |
| Weight: | 11kg |
| Max. Operating Temp: | 70° C |
| Max. Operating Pressure: | 200bar |
| Power Supply: | 70 to 100Vdc; 6W |

WIRELINE

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|-----------------------|--|
| Cable Type: | Any standard wireline - coaxial, mono or multi-conductors Automatic cable selection and switching |
| Logger Compatibility: | eMindLogger / RG Micrologger |

SENSOR ARRAY

| | |
|----------------------------|--|
| Inclination Range: | 0 to 180° |
| Inclination Accuracy: | +/- 0.5° |
| Azimuth Range: | 0 to 360° |
| Azimuth Accuracy: | +/- 1° |
| Guard Electrode Length: | 750mm |
| Central Electrode Length: | 92mm |
| RA Measuring Range: | 0 to 25kΩ (16-bit resolution) |
| Measurement Frequency: | 200Hz; Pure sine wave with automatic level control (ALC) |
| Natural Gamma Detector #1: | Nal(Tl) scintillation crystal; 25mm x 50mm |
| Natural Gamma Detector #2: | Dual ZP1200 Geiger-Muller tubes |

ACCESSORIES/OPTIONS

Guard Log Calibration Box

MEASUREMENT FUNCTIONS

Borehole Inclination and Azimuth
Focused Resistivity
Chargeability Indication
Natural Gamma; one channel using a scintillator and a second channel using two Geiger-Muller tubes