Double-Density Borehole Logging Probe

This probe is used for exploring dry boreholes. It employs compensated density to divide strata and determine rock porosity and volume density.

Overview

Double-Density Borehole Logging Probe

The Double-Density Borehole Logging Probe is a high-precision instrument engineered for demanding geological and industrial measurement environments. It features a robust design with adjustable long and short spacing capabilities, ensuring versatile data acquisition. With its advanced scintillation technology and digital output, it provides reliable density and natural gamma measurements for professional borehole logging applications.

Measurement Capabilities

Density Measuring Range

1 g/cm3	4 g/cm3
Min Density	Max Density

Natural Gamma Range

1 API	10000 API
Min Gamma	Max Gamma

Count Range	32000 cps

Technical Specifications

Spacing Configuration

Spacing Type	Range
Long Spacing	400 to 500 mm
Short Spacing	250 to 350 mm

Physical Dimensions and Weight

Variant	Dimensions	Weight	Pressure Rating
Standard	¦45×1750mm	8.4 kg	20 Mpa
3000m Rated	¦50×1804mm	10.7 kg	30 Mpa

Components and Electronics

Core Components

- Scintillating material: NaI(T1), ¦23×60mm
- Photomultiplier Tube: GDB23
- Digital transmitter: 8-bit serial output

Source Intensity	30mCi 137Cs radioisotopes

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