

Borehole Logging Sidewall Probe, 3000m Depth

This combined sidewall probe is designed for stratum lithology acquisition and strata division. It determines resistivity, porosity, and volume density and also evaluates the content of radiate minerals such as K and U.



Overview

Professional Borehole Logging Solution

The Borehole Logging Sidewall Probe is a comprehensive instrument designed for deep-well logging applications up to 3000 meters. This robust tool integrates multiple sensors, including density, natural gamma, and resistivity, to provide high-precision formation evaluation. Engineered for harsh downhole environments, it ensures reliable real-time data acquisition for professional geological and industrial analysis.

Technical Specifications

Physical Dimensions & Weight

50 mm

Diameter

2950 mm

Length

28 kg

Max Weight

Operating Environment

3000 m

Max Depth

20 Mpa

Max Pressure

Measured Parameters

Double-spaced compensated density, Natural Gamma, Three direction laterolog, Caliper, Spontaneous potential

Temperature Range

-10°C to 70°C

Density Measurement (DSCD)

Density Measurement Details

Parameter	Value/Range
Measurement Range	1 to 4 g/cm ³
Short Spacing	200 mm
Long Spacing	350 mm
Relative Error	5%
Counting Range	0 to 32000 cps

Source Details

100mCi 137Cs radioisotopes

System Integration

Data Transmission	8-bit serial output
Glimmer Body	NaI(Tl), 523x46mm