

# Acoustic Wave Borehole Logging Probe

This acoustic wave probe performs non-oriented measurements using a single-source, double-receiver configuration. It is used to determine lithology, strata porosity, gas content, and detect faults.



## Product Overview

### Acoustic Wave Borehole Logging Probe

This advanced borehole logging probe is engineered for precise acoustic wave measurement and analysis in demanding subsurface environments. Featuring high-sensitivity sensor technology and robust construction, it delivers reliable data for research and industrial monitoring applications. The probe supports wide frequency ranges and is designed for easy integration into existing logging systems.

## Measurement Performance

### Measurement Range

**125  $\mu$ m**  
Min Range

**555  $\mu$ m**  
Max Range

Receiving Nearby	833.33 $\mu$ m
Source Wave Frequency	20KHz $\pm$ 5KHz
Scale Accuracy	$\pm$ 5%M

## Technical Specifications

Source Intervals	106 ms
Source Spacing Range	0.5M to 0.7M
Spacing	0.2 M
Transmission Mode	8-bit digital data

## Environmental & Physical

### Probe Models

Dimensions	Pressurization	Weight
$\varnothing$ 50x2240m	d 20pa	11.2kg
$\varnothing$ 55x1861m (3000m)	d 30pa	13kg

Environment Temperature	-10 to 70
-------------------------	-----------