

Multi-Channel Spectrum Analysis Probe

This multi-channel spectrum probe is designed for accurate spectral analysis. It is used in research applications such as dividing strata and differentiating oil zones from water zones.



Overview

Precision Spectral Analysis

The Multi-Channel Spectrum Analysis Probe is a high-performance instrument designed for accurate spectral measurement across a wide range. Featuring robust construction and advanced components, it delivers high sensitivity and consistent signal quality for demanding research and quality control environments. Its versatile design allows for seamless integration into existing spectroscopy and optical measurement systems.

Performance Metrics

Measuring Range

0.3 Mev

Min Range

3 Mev

Max Range

| | |
|---------------------|-------|
| Resolution (C137s) | 15 % |
| Dead Time | < 50% |
| Max Stability Error | 5 % |

Linearity

Nonlinearity Specifications

| Parameter | Value |
|---------------------------|-------|
| Integrated Nonlinearity | d 2% |
| Differential Nonlinearity | d ±5% |

Technical Details

Time Count Range Options

- 4s
- 12s
- 20s
- 28s
- 36s

| | |
|------------------------|------------|
| Stable Spectrum Source | 133Ba, 50i |
| Max Pressurization | 20 Mpa |

Dimensions

Probe Dimensions

| Component | Dimensions (mm) |
|------------|-----------------|
| Main Probe | Æ45x1330 |
| Probe 1st | Æ40x800 |
| Probe 2nd | Æ65x800 |