

Neutron Combined Probe

The neutron combined probe is a precision instrument for neutron detection and measurement. Its robust construction and sensitive detection capabilities make it suitable for nuclear research, material analysis, and industrial gauging.

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Product Overview

Precision Neutron Combined Probe

The Neutron Combined Probe is a specialized precision instrument engineered for high-accuracy neutron detection and natural gamma measurement. Designed for reliability in demanding industrial and research environments, this probe features robust construction and sensitive detection capabilities. It is built to operate under significant pressure and varying temperature conditions, making it an ideal solution for complex material analysis and industrial gauging tasks.

Measurement Capabilities

Neutron Counting Range

10000 cps

Max Counting Rate

Measuring Parameters	N-N, Natural Gamma
Neutron Activated Source	241Am-9Be, 1Ci
Proportional Counter Type	3He

Gamma Detection

Gamma Counting Range

32000 cps

Max Counting Rate

Scintillating Material	NaI(Tl), 123x60mm
Photomultiplier Tube Type	GDB23
Gamma Energy Threshold	30 Kev

Physical & Environmental

Physical Specifications

Variant	Dimensions	Max Pressure	Weight
Standard	Æ45x2050m	20 Mpa	7.8 kg
Deep Well (3000m)	Æ50x2000m	30 Mpa	8.6 kg

Operating Temperature	-10°C to +60°C
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