BERTIN

PNM-02

Portable neutron meter

A portable monitor for measuring dose equivalent rate in neutron fields.



Neutron detector	Neutron energy range	Weight
^{3}He proportional detector in a 25 cm polyethylene sphere [1]	**Thermal neutrons to 20 MeV** [1]	**10 kg including batteries** [1]

Specifications

DETECTOR

Radiation	Neutrons; gamma with optional SGD-01e	[1]
Neutron detector	^{3}He proportional detector in a 25 cm polyethylene sphere	[1]

PERFORMANCE

Accuracy	±20 %	[1]

MEASURING RANGE

Neutron dose-rate range	5 × 10−⁸–0.1 Sv/h	[1]
Neutron energy range	Thermal neutrons to 20 MeV	[1]
Neutron sensitivity	4 cps per µSv/h (14.4 pulses per nSv), ^{252}Cf	[1]

CONNECTIVITY & INTERFACE

Communication	Bluetooth available; optional docking station	[1]

POWER & BATTERY

Battery life	>200 h without illumination and sound	[1]
Power supply	Integrated Li-ion accumulator and mains adapter	[1]

MECHANICAL

Dimensions	250 × 435 × 250 mm	[1]
Weight	10 kg including batteries	[1]

ENVIRONMENT & RATINGS

perating temperature	−20 to +50 °C	[1]

GENERAL

Measured quantity	Ambient dose equivalent rate H*(10)	[2]

Sources

[1] PNM-02 Portable Neutron Meter – datasheet
Bertin Technologies · datasheet · p. 1; Specification – Sensitivity (252Cf) · checked 2026-10-16
https://www.vfnuclear.com/user_uploads/dms/VF2110180133_PNM-02_datasheet.pdf

[2] Portable Neutron Meter
Bertin Technologies · product-page · product page · checked 2026-10-16
https://www.vfnuclear.com/products/97/portable-neutron-meter

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.