

NIKA – MOBILE NEUTRON DOSE RATE MONITOR

NIKA is ENVINET's mobile solution for measuring the Neutron dose rate. NIKA is a mobile solar powered based solution which allows the quick and continuous monitoring of the Neutron level without any infrastructure. The monitor system has an integrated communication and GPS.



FEATURES

- Measurement of the Neutron dose rate in H*(10)
- Solar operation with battery (solar panel can be tilted)
- Autonomy operation 24h/365 days
- Mobile and easy to deploy
- Robust design
- Wireless service on site using Bluetooth
- Integrated LTE/GPRS communication
- Integrated GPS
- Integrated data logger for up to 10 years storage
- Remote configurable
- Configurable thresholds for alarming
- Graphical user interface for service on site via Android App
- Communication protocol compatible with MIRA
- Three user configurable aggregation intervals (like 10 min, 1h, 24 h)
- Two handles for easy handling
- Possibility lock the case

ORDERING INFORMATION

Neutron dose rate monitor NIKA can be ordered as follows			
	Neutron	LTE/GPRS	GPS
NIKA-10M-L4-G	X	X	X

	Unit	
Neutron		
Dose rate range	μSv/h	0.01 100
Energy range ¹		25 meV ... 5 GeV
Material		³ He
Sensitivity ¹	counts/s/(μSv/h)	0.84
Environmental specification		
Operation temperature	°C	-30...+50
Protection class		IP65
Humidity	%	0-90% relative humidity
Electrical specification		
Power		Solar panel
Battery		LiFePo 12 V/20Ah
Communication Interfaces		
		Bluetooth LTE/GPRS LAN RS232 (Service interface)
		Communication interval user configurable
		Integrated GPS
Size and weight specification		
Dimensions	mm	521 x 521 x 550
Weight	kg	38
Case material		Polypropylene
Operation		
On site		Tablet with App wireless via Bluetooth
Optional Accuracy Test		Test set for neutron available

¹Cf-252