

ProSystem N2Radon

Indoor Air Quality Insights.



Promote the Health of People

The quality and safety of the built environment have to be assessed and made visible. Nuvap's solutions are able to provide insights and analytics about indoor environmental quality. Information and services provided by Nuvap enable IAQ management and facilitate the reporting within quality/wellbeing certification and sustainability frameworks (ISO45000, WELL, ESG,...).

ProSystem end-to-end solution

ProSystem solutions monitor, assess, and communicate IAQ.

Thanks to Nuvap's solutions, it is possible to detect and monitor, in a seamless way, the presence of both chemical and physical pollutants in workplaces, schools, hospitality and healthcare facilities, or other private and public buildings where people spend regularly several hours per day. They enable easy communication about IEQ.

ProSystem solution consists of a service platform supported by a range of extremely compact devices, with a simple design and uncomplicated management. Data are accessible via web and mobile app. API is available for integrations.

Nuvap Index

The Nuvap Index is an environmental health index developed by Nuvap to allow everyone to assess air healthiness at a glance.

It has a value between 1 and 10 and takes into account many variables (concentration of each pollutant; changes; weight of each pollutant with respect to health effects, mix of unrelated pollutants).

The Technology

Nuvap's technology is protected by international patents, relating to the exclusive combined and constant monitoring of polluting agents, which may be present in the places where people spend regularly their time.

N2Radon solution

N2Radon is the ultimate solution for the monitoring of radon gas concentration. The solution handles up to 10 factors: radon gas, CO, CO₂, TVOC, PM₁, PM_{2.5}, PM₁₀, temperature, relative humidity and noise.

N2Radon connectivity and operation are never a problem due to an integrated 3G/4G sim card.

Physical Info

Dimensions: 183x183x80mm

Operating Temperature range: -5°C to +40°C

Storage Temperature range: -5°C to +40°C

Operating Humidity: 20% to 80% non condensing

Storage Humidity: 20% to 80% non condensing

Deployment: Indoor

Operations

Battery Back-up: 2 hours

Power Supply: Input 100/220V, 50-60Hz

Power Supply: Output 5 Vdc 2A

Connectivity:

WiFi 2.4 GHz 802.11 b/g WPA PSK;

LTE Cat M1/Cat NB1/EGPRS 850/900/1800/1900MHz

BTLE - only for configuration purposes;

App OS: Android and iOS

Compliances:

CE

RoHS

EMC DIRECTIVE 2014/30/EU

ETSI EN 300 328 V2.1.1 (clause 5.4.9.2.2)

ETSI EN 301 489-1 V2.1.1

ETSI EN 301 489-17 V3.1.1

IEC 61010-1:2010 -

EN 61010-1:2020 -

EN 61326-1:2003

LOW VOLTAGE DIRECTIVE 2014/35/EU

HW Ordering Info

NVP230

N2Radon Device

FACTOR	WORKING RANGE	RESOLUTION
RADON	0-65.000 Bq/m ³	28 Bq/m ³
CARBON DIOXIDE (CO₂)	0-5.000 ppm	1 ppm
CARBON MONOXIDE (CO)	0-5.000 ppm	1 ppm
PM₁ PM_{2.5} PM₁₀	0-1000ug/m ³	1 ug/m ³
RELATIVE HUMIDITY	0-100 %Rh	0,01%Rh
TEMPERATURE	-40 - +120°C	0,01°C
TVOC	0-60.000 ppb	1-32 ppb