

# ProSystem NxRadon

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 workspaces, schools, hospitality and health care facilities or other private and public buildings where people spend regularly several hours per day. They enable an 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 are available for integrations.

## Nuvap Index

The Nuvap Index is an environmental health index developed by Nuvap to allow everyone to assess the 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.

For more information please visit [www.nuvap.com](http://www.nuvap.com)

## NxRadon devices

Nuvap ProSystem NxRadon is a set of devices devoted to Radon Gas monitoring. N0Radon device monitors Radon gas concentration, Temperature and Relative Humidity. It also provides the Nuvap Index.

N1Radon device features Radon gas, Temperature and Relative Humidity, further to Electromagnetic Fields (LF and HF), Ionising Radiation, Noise pollution, WiFi, Dust, Air Quality, Methane. It also provides the Nuvap Index.

## 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;

App OS: Android and iOS

## Compliances:

R&TTE 199/5/CE  
 EU Directive 2006/95/CE  
 EU Directive 2004/108/CE EU Directives 1999/5/CE  
 EN 300 328  
 EN 301 489-1  
 EN 301 489-17  
 EN 55022  
 EN 55024  
 EN 61000-3-2  
 EN 61000-3-3  
 EN 61010-1  
 EN 61326

## HW Ordering Info

**NVP107** N1Radon Device (21 Factors)  
**NVP108** N0Radon Device (3 factors)

RADON SENSING	
<b>Detectable Gas</b>	Radon
<b>Measurement Range</b>	0.1 – 1750 pCi/l
<b>Sensitivity</b>	0.03 cpm/(pCi/l) or 1.8 cph/(pCi/l)
<b>Field Range</b>	0 – 65,000 Bq/m <sup>3</sup>
<b>Data Interval</b>	16 minutes update
<b>Sensor Warm-Up Time</b>	60 minutes
<b>Repeatability</b>	15 % (measured at 100pCi/l)
<b>Resolution</b>	28 Bq/m <sup>3</sup>
<b>Accuracy</b>	6% (48h at 150 Bq/m <sup>3</sup> )