

NSnappy® Hygi LWEU-N

ATP luminometer

NSnappy® Hygi analyzes the level of contamination on surfaces by using ATP luminometry method.

You get an analyzed result in seconds, and the data goes to NSnappy® cloud service without any manual recording. The device uses LoRAWAN connection.

Hygi is compatible with Hygiena UltraSnap swabs.

Regular maintenance and battery replacement service are included.



Applications



Commercial kitchens



Industry

Product highlights

- Easy and quick to use
- The device does not rely on Bluetooth technology, thus avoiding compatibility issues with mobile devices
- The Hygi measurement sensor works with any terminal device with internet connection
- Wireless data transfer and seamless operation with the NSnappy® cloud service



NSnappy® Hygi

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Environment

Storage conditions	+5...+40 °C, relative humidity 5-95%, non-condensing
Operating conditions	+20...+30 °C, relative humidity 5-95%, non-condensing
Protection class	IP20
Enclosure material	PC+ABS plastic

Dimensions

Dimensions	198 x 47 x 27 mm
Weight	Approx. 190 g, not including swab

Measuring method

Description	ATP luminometry based on a photodiode
Measuring time	Approx. 15 s
Measurement unit	RLU (Relative Light Unit, where 1 RLU is roughly equivalent to 1 fmol ATP)
Measuring range	0...99999 RLU
Display resolution	1 RLU
Measuring noise	±5 RLU
Measuring accuracy	±20% ± 5 RLU

Sampling method

Single-use swab	Hygiena® UltraSnap® ATP surface hygiene sampling swab
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User interface

Display	Two-digit 7-segment-LED display
Power button	Tactile silicone rubber switch

Radio connection

Description	LoRaWAN standard, EU 868 MHz frequency range
Transmitter module	Murata ABZ-093 LoRaWAN modem
Antenna	Internal
Compatibility	Nokeval NSnappy Hubs and Cloud Service
Frequency	863-870 MHz (LoRaWAN 1.0.2 EU band)
Power	Max +14 dBm E.R.P.
Range	Depends on environment, indoors: in good conditions up to hundreds of meters, outdoors: line-of-sight up to 10 km

Power supply

Type	3.6 V Lithium thionyl chloride battery pack (1 x AA size)
Battery life	3 years in normal use (approx. 100 operating hours)