newsteologgers

Monitor in real-time the temperature and humidity of your goods

MEASURE ANALYSE ALERT

The Newsteo Logger range monitors the conditions of temperature and humidity in a warehouse, a cold storage...

Available sensors:
- Temperature
- Humidity
- PT1000
- Thermocouple

Monitoring and Record

The Newsteo Loggers are installed in the environment to monitor and send in real-time the measurement to the PC through radio. If the measure is not received by the PC, the Logger stores it in its embedded memory and returns it on the next window of communication. The same PC can manage a network of 500 loggers, all measurements are displayed and archived in a database.

The Newsteo Logger can also operate in Record mode: it stores all the data without trying to transmit it. It downloads then all of it to the PC when it receives by radio the order to.

APPLICATIONS

Medical
- Temperature control in medical stock
- Temperature control for the transportation of organs, vaccines...

Quality Control and Insurances
- Evidence of good storage conditions
- Liability search in case of damage

Food
- Control of the cold chain and dew point
- Temperature control in the storage of food
- Temperature control for pasteurization and sterilization

Also, temperature and humidity control in agricultural greenhouses, museums, art galleries, storage of paper...

ASSETS

Reliable and efficient measures

- Very high accuracy
- Instant display of the dew point
- Real-time transmission of data and wireless download of the recorded data
- Transmission through walls and reinforced concrete slabs
- Real-time alert on the PC in case of measure out of the thresholds

Freedom of use

- Great battery life
- Large data storage capacity
- Batteries easily replaceable by the user

Compact and robust

- Miniature and easy to fix
- No cables or connectors
- Can be moved at will

TECHNICAL FEATURES

Model	LOG 202	LOG 222	LOG 252	LGR 371	LOG 262	LOG 232	LOG 232c
Type of sensor	Temperature and Humidity	Temperature and Humidity	Temperature and Humidity	Thermocouple (ns : not supplied)**	Temperature	PT1000 (ns)	PT1000
Range	-40 to +70°C	-40 to +70°C	-40 to +70°C	-*	-40 to +70°C	-*	-40 to +250°C
Resolution	0.01°C	0.01°C	0.01°C	@ 16 bits	0.01°C	@ 12bits	@ 12bits
Accuracy *(temperature)*	+/- 0.5°C @ 25°C	+/- 0.4°C @ 25°C	+/- 0.3°C @ 25°C	+/- 0.3°C	+/- 0.3°C from -30 to 70°C	+/-0.9°C	+/-1°C from 0 to 100°C
Range	0 @ 100%RH	0 to 100%RH	0 to 100%RH				
Resolution	0.025%RH	0.025%RH	0.025%RH				
Accuracy *(humidity)*	+/- 4.5% RH (from 20 to 80RH)	+/- 3% RH (from 20 to 80RH)	+/- 2% RH (from 10 to 90RH)				
Range of use	-40 to +70°C	-40 to +70°C	-40 to +70°C	-40 to +85°C	-40 to +70°C	-40 to +70°C	-40 to +70°C
Type of battery	LS14250	LS14250	LS14250	LS14500	LS14250	LS14250	LS14250
Weight with battery	60g	60g	60g	250g	60g	60g	60g
Size (without antenna)	96x40x20mm	96x40x20mm	96x40x20mm	98X64X34mm	96x40x20mm	96x40x20mm	96x40x20mm
IP	IP54***	IP54***	IP54***	IP65	IP54***	IP54***	IP54***
Antenna	1/4 wavelenght	1/4 wavelenght	1/4 wavelenght	1/2 wavelenght	1/4 wavelenght	1/4 wavelenght	1/4 wavelenght

* Depending on the thermocouple/PT1000.   ** For other type of thermocouple, please contact us.   *** optionnal : aluminium casing, ip 65.

To see all our products references, please, visit our website.

Autonomy
Up to 2 years (at 25°C with a frequency measure of 15 minutes)

Memory capacity
Up to 32 768 measures with date and time.

RF Range
Up to 1 km (free space), Possibility to transmit through several walls. In order to increase the system's range, you can add a radio relay (Newsteo Repeater). More information on our website.

Measurement Frequency
Can be set from one measure every minute to one every 4 hours.

EVALUATION KIT

This kit enables you to estimate the Newsteo Loggers.

This kit is made of :
- A Newsteo Logger LOG 222
- A RF-to-USB Key medium-range (1/4 wavelenght antenna integrated)
- A CD-ROM containing the installation of the RF Monitor software with USB drivers, the application software of the Logger which enables the restoration of the recorded measures, and the documentation.

Cost of the Newsteo Logger kit: 399 EUR HT + preparation and delivery expenses