

newsteotracker

Everything about the transport of your goods



MONITORING MEASURING SECURING

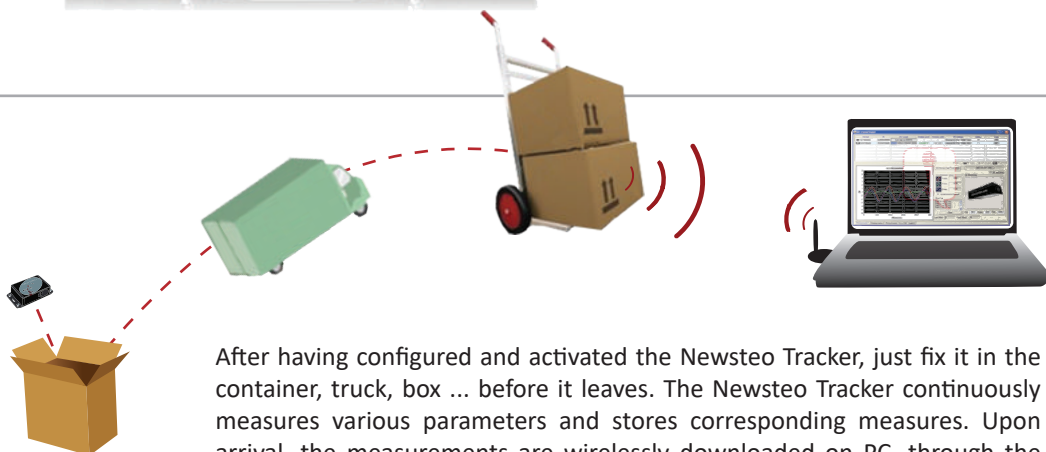
The Newsteo Tracker 16g range measures and records the conditions of carriage of goods until 2 years.

All taken measures are time-stamped to know when an abnormal event took place.



Continuous monitoring of :

- 3-axis shock (+/- 6g or +/-16g)
- Shock energy
- Shock duration
- Temperature
- Humidity
- Dew point
- Luminosity
- Free fall height
- GPS Position
- Ground speed
- Direction of movement



After having configured and activated the Newsteo Tracker, just fix it in the container, truck, box ... before it leaves. The Newsteo Tracker continuously measures various parameters and stores corresponding measures. Upon arrival, the measurements are wirelessly downloaded on PC, through the package of the good.

APPLICATIONS

Medical

- Temperature control of medical stocks
- Temperature control for the transport of organs
- Shock and temperature monitoring for the transport of vaccine

Transport of fragile goods

- Control of transport conditions of art devices
- Control of transport conditions of measuring instruments, electronic equipments, laboratory equipments...

Insurance

- Liability search in case of damage

Food

- Control of the cold chain and dew point temperature
- Temperature control in distribution and transportation of meals



With **Newsteo Tracker**, it is possible to determine the source of transport problems. And in response, to limit breakage and losses.



The **NEWSTEO TRP55** enables to display the GPS positions of each shock on Google maps with all the details of speed and direction of movement.

ASSETS

Reliable and Efficient

- Complete and time-stamped history
- of transport conditions
- **Exclusive: measure of the height of free fall**
- Detailed information on the shock: acceleration, duration and energy
- Wireless data restitution, without needing to open the package, the container
- Guarantee of non opening of the packages (light sensor)
- LEDs which indicate if an alert has occurred, without having to download measurements.

Compact and Robust

- Miniature and easy to fix
- No cables or connectors
- Easily removable

Easy to use

- Great battery life
- Large storage capacity
- Batteries easy to supply, replaceable by the user

Accurate and details

- Records of routes
- Geolocation of shocks
- All the details of each incident : (ground speed, force and energy of shock, timestamp)

TECHNICAL FEATURES

	Newsteo TRE35	Newsteo TRE37	Newsteo TRE38	Newsteo TRP55
Operating temperature	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C
Temperature	-40°C to +85°C ±0,3°C from -30°C to 70°C	-40°C to +85°C ±0,2°C from 0°C to 60°C	-40°C to +85°C ±0,2°C from 0°C to 60°C	-40°C to +85°C ±0,3°C from -30°C to 70°C
Humidity	X	0 à 100% rH ± 1.8% [0...80% HR]	0 à 100% rH ± 1.8% [0...80% HR]	X
Light	X	X	0 ... 220 Lux ± 30 Lux	X
Shocks (3 axis)	-16G à +16g; Accuracy : ±0,5g; Resolution / 14 bits - 3,9 mg; Bandwidth : 1600 Hz			
Protection Level	IP54	IP54	IP54	IP67
Battery	1 Thionyl Lithium Battery, type A - Compatible alkaline battery type AA / LR6			3 Alkaline LR6/ 3 Thionyl Lithium type AA
Autonomy @ 25°C	3 Months to 2 years depending on the model and used batteries			
Memory capacity	129 000 measurements blocks, one shock using 2 blocks (corresponding to 1 record campaign of 2 years, with one temperature measure every 15 minutes and 29 000 shock records).			

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

Data historic files
Secured report compliant EXCEL or PDF.

Radio Frequencies
ISM 868 MHz (Europe).

Dimensions
TRE : 110 X 56x 26mm
TRP : 140 X 96x 33mm

EVALUATION KIT

This kit gives you the opportunity to evaluate the Newsteo Tracker.

The kit is made of :

- The Newsteo Tracker TRE35
- A RF-to-USB key medium-range (¼ wavelenght antenna integrated)
- A CD-ROM containing the installation of the RF Monitor software (the application software of the Logger which enables the restoration of the recorded measures), USB drivers for the RF-to-USB key and the documentation.

