Technical data
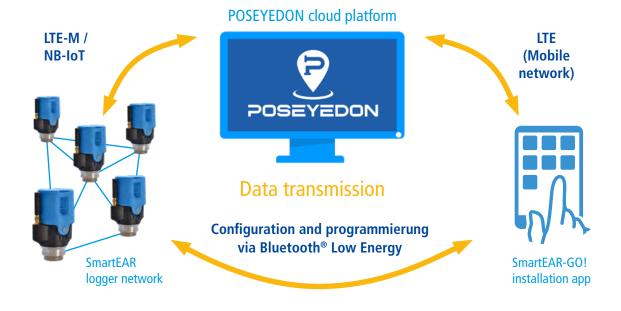
Mechanics	
Protection class	IP 68
Operating temperature	-20° C … +70° C
Storage temperature	-20° C … +70° C
Display	Blue LED
Commissioning	Via smartphone app SmartEAR-GO!
Electronics	
Processor	32 bit
Anti-theft protection	Motion sensor
On/off	Magnetic switch
Power supply	
Power supply	Lithium battery 3.6 V / 13 Ah
Battery lifetime	Up to 9 years
Battery change	Possible on site
Measuring modes	
Night measurement	Between 2 am - 4 am
Permanent measurement	Every 15 minutes / hourly upload
Customised measurement	Multiple measurement cycles, freely selectable upload times and lengths of audio files
Communication	
Long-range radio	NB-IoT, LTE-M (combi-modem)
Short-range radio	Bluetooth® Low Energy
Transmission protocol	MQTT
Housing	
Height	122 mm
Diameter	69 mm (79 mm max.)
Weight	450 g
Material	A2 stainless steel, PPH and PPS
Mounting options	Magnet, magnetic ring, threaded adapter
Anti-theft protection	Stainless steel cable

POSEYEDON cloud platform

LTE-M / NB-IoT

LTE (Mobile network)

POSEYEDON

Data transmission

Configuration and programmierung via Bluetooth® Low Energy

SmartEAR logger network

SmartEAR-GO! installation app

Scope of delivery

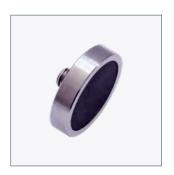| Product	Order number
SmartEAR, NB-IoT noise logger without SIM card with loop, rod antenna, magnetic adapter and battery	1014081
SmartEAR, NB-IoT noise logger with SIM card (Telekom EU) with loop, rod antenna, magnetic adapter and battery	1014081-001
SmartEAR, NB-IoT noise logger with SIM card (Vodafone) with loop, rod antenna, magnetic adapter and battery	1014081-002
SmartEAR, NB-IoT noise logger with SIM card (O2 Telefonica) with loop, rod antenna, magnetic adapter and battery	1014081-003
SmartEAR, NB-IoT noise logger with SIM card (Telekom EU extended) with loop, rod antenna, magnetic adapter and battery	1014081-004
SmartEAR, NB-IoT noise logger with SIM card (Telekom North America) with loop, rod antenna, magnetic adapter and battery	1014081-005
SmartEAR, NB-IoT noise logger with SIM card (Telekom Global) with loop, rod antenna, magnetic adapter and battery	1014081-006
Optional accessories	
Transport box for 10 SmartEAR loggers	2014649
Anti-theft stainless steel cable	2015049
Magnetic ring	2015069
Magnet adapter 32/14 220N, Neodym Magnet	820015167
Rod antenna LTE NB-IoT SMA-M 698-960MHz	90035958
Antenna extension GT-3-1-AV, 300 cm	2011249
SAFT lithium battery 3,6 V / LSH-20 size D	820007318

Transport box with space for 10 SmartEAR loggers and with extra compartment

Magnetic ring (360° free adjustable)

Magnet ring with anti-theft stainless steel cable

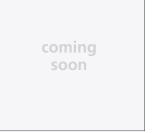Magnet adapter (automatically included with every SmartEAR logger)

Rod antenna

Antenna extension (300 cm)

SAFT lithium battery

coming soon

Thread adapter / Composite hydrant lid

sebaKMT
by Megger®