SEZO Sp. z o.o.
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PRODUCT NAME	SEZO EL
DESCRIPTION	• Compact low-power sensor device measuring environmental parameters, luminosity and noise with accelerometer, magnetometer and motion detector • Suitable for indoor and outdoor environment monitoring • LoRaWAN networking technology for long transmission range and long battery life (up to 5 years) • USB configuration • Every unit is shipped with individual test report
MEASURED PARAMETERS	Temperature, Humidity, Air Pressure, Luminosity, Noise with accelerometer[1], magnetometer[1] and motion detector[1] options
OPERATING TEMPERATURE	-30 ÷ 60°C
MEASUREMENT RANGE AND ACCURACY	• Temperature: -30 ÷ 60°C, typ. ±0.3°C, max ±1°C • Humidity: 0 ÷ 100%, typ. ±2%, max. ±5% @25°C @20 ÷80% RH • Air pressure: 260 ÷ 1260 hPa, ±3 hPa • Luminosity: 0 ÷ 1000 lx, typ. ±10%, max ±35% @500lx • Noise: 40 ÷ 100dB, ±6dB at voice frequency band • Accelerometer: 0 ÷ ±157 m/s^2 , max. ±7% [1] • Magnetometer: 0 ÷ ±49gauss, max. ±7% [1] • PIR motion detection: 1m range for human-sized object [1]
COMMUNICATION PROTOCOL	LoRaWAN v1.0.2, Class A device
FREQUENCY AND TRANSMISSION POWER	868 MHz, maximum 14 dBm
DATA TRANSMISSION INTERVAL	Default 15 minutes (configurable) or event-triggered
BATTERY	5 x LS 14500 (13000 mAh), optional 10 x LS 14500
ENCLOSURE AND MOUNTING	IP55, polycarbonate, four screw holes
WEIGHT	225 g with standard battery setup
PRODUCT DIMENSIONS	Length 89 mm, width 80 mm, height 48.5 mm

[1] Optional sensors available Q2 2020 (please see **Identification and variants**)

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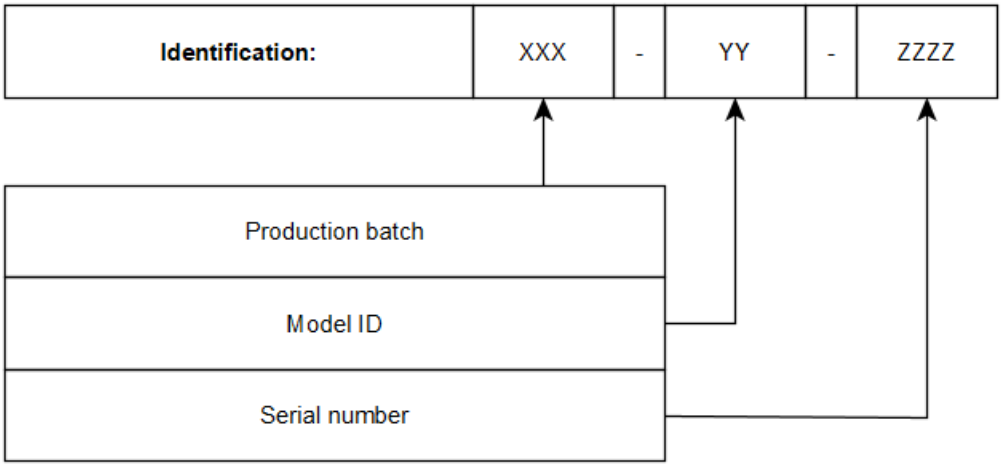
Identification and variants:



Ordering codes table:

Model/ordering code	Model ID	Sensors on board
CL	0	Temperature, humidity, luminosity
SL	1	Temperature, humidity, luminosity, acceleration, magnetic field, motion (PIR)
EL	2	Temperature, Humidity, Air Pressure, Luminosity, Noise, acceleration, magnetic field, motion (PIR) ***(in development, estimated release Q2 2020)***
EL A	2A	Temperature, Humidity, Air Pressure, Luminosity, Noise
A1L	3	Temperature, Humidity, Air Pressure, Luminosity, Noise, Particulate matter, acceleration, magnetic field, motion (PIR) ***(in development, estimated release Q2 2020)***
A1L A	3A	Temperature, Humidity, Air Pressure, Luminosity, Noise, Particulate matter
TM	4	Geolocation, Impact / acceleration (accident detection), Altitude
TL	5	In development
HT	6	In development
BL	7	Temperature, humidity and luminosity