SES Logger kit (HW-SES-KIT01)

The SES Logger is a compact handheld single-channel vibration data collector. It can be used together with the ReSES Communicator app installed on an Android or iOS mobile device (tablet or telephone) or with a ReSES Gateway device.

The kit includes the SES Logger, a vibration sensor, and accompanying cables.

Technical specifications:

- Part ID: HW-SES-KIT01
- Input BNC coupling
- ICP® accelerometer 100 mV/g
- 1-meter MIL to BNC cable
- Adapter to connect sensor to RQ-CS stud
- 24-bit ADC
- Sampling rate 44.1 kHz
- Dynamic range above 105 dB
- Measurement range ± 50 g
- Measurement time 3 s, 30 s, 1 min, 3 min, 5 min
- Data communication via WiFi 2.4 GHz
- RFID reader 125 kHz
- Memory capacity at least 10 000 measurements
- Li-ion battery 2 000 mAh
- CR1225 Lithium backup battery for RTC
- Micro-USB contact for charging (5 VDC)
- Operating temperature –20 to +50°C
- Storage temperature –20 to +45°C
- Dimensions 70x130x35 mm; weight 154 g
- CE-marked FCC compliant

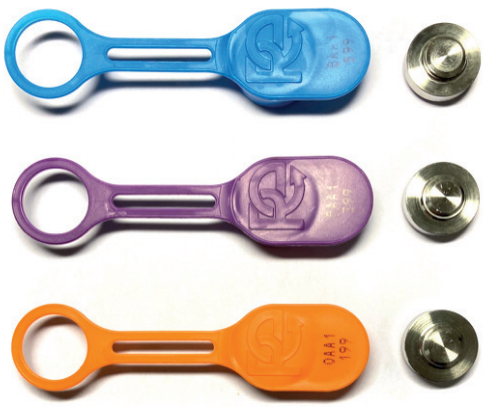
The total measurement time per point is less than 10 s for the standard measurement mode.

CM Point UID (RQ-CS-X)

The CM Point UID consists of a stainless steel stud and a plastic cap to locate and identify the CM Point on the machine.

Technical specifications:

- Part ID: RQ-CS-X; X is the cap colour (B: blue, P: purple, O:orange).
- Stainless steel stud ø22 mm, weight 25 g
- HDPE plastic cap, weight 5 g
- 125 kHz RFID tag



ReSES Gateway (HW-SES-GTW-01)

The ReSES Gateway transfers data from the SES Logger to the ReSES.net cloud-based CBM information platform. It is an alternative to using a mobile device with the ReSES Communicator app.

Technical specifications:

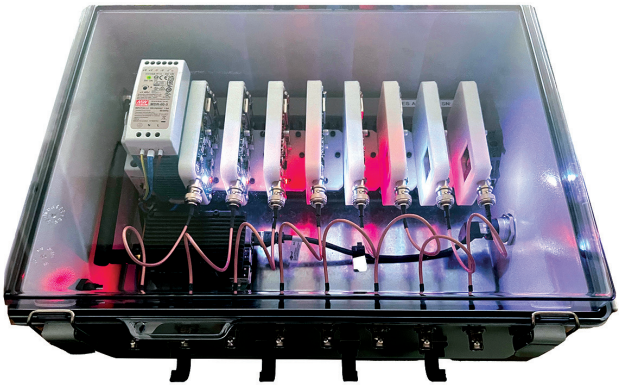
- Part ID: HW-SES-GTW-01
- 8 GB SD card
- USB-C power cable
- Data communication with SES logger via WiFi 2.4 GHz
- Data transfer to ReSES.net via LAN (LAN cable not included)
- 5 VDC power supply, not included

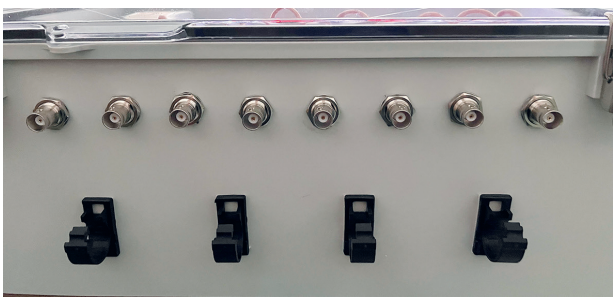
SES Station (HW-APDC-ST-XX)

The SES Station is an automatic periodical data collection unit with included 100-mV/g ICP accelerometers and cables. The SES Station is based on a concept for permanent mounted accelerometers connected by cables to the SES Station. The number of CM points (XX) is defined by the ReSES.net machine CM model.

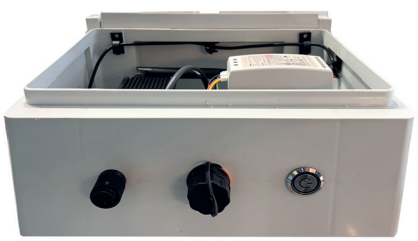
Technical specifications:

- Part ID: HW-APDC-ST-XX
  (XX is the number of CM points)
- Input BNC coupling
- ICP® 100 mV/g accelerometers (one per CM Point)
- 10-meter MIL to BNC cable
- 24-bit ADC
- Sampling rate 44.1 kHz
- Dynamic range above 105 dB
- Measurement range ± 50 g
- Measurement time 3 s, 30 s, 1 min, 3 min, 5 min
- Data transfer via WiFi HaLow or LAN
- Memory capacity at least 10 000 measurements
- Operating temperature –10 to +50 °C
- Storage temperature –20 to +45 °C
- Power 110–240 VAC, external coupling
- Dimensions 400x350x220 mm; weight 5.0–5.5 kg
  (varies with number of points)
- IP65 rated
- Adjustable, calendar-based data collection schedule





ReSES Access Point (HW-APDC-AP)



The ReSES Access Point connects SES Stations to ReSES.net cloud platform.

Technical specifications:

- Part ID: HW-APDC-AP
- Data transfer from SES Station via WiFi HaLow
- Data transfer to ReSES.net via LAN
- Operating temperature –10 to +50 °C
- Storage temperature –20 to +45 °C
- Power 110–240 VAC, external coupling
- 280x210x130 mm, weight 2 kg
- IP65 rated
- Distance from the station up to 100 m
- Regional WiFi HaLow configuation