

SoundSens *i*

Multi-Point Correlation System

SoundSens *i* is a multi-point correlation system designed to accurately identify the position of a leak.

Designed for high performance, versatility and speed, SoundSens *i* records overnight to provide the best results in noisy, urban environments.

SoundSens *i* is ideal for both sound logging survey work and accurate pinpointing of leaks via multi-point correlation.



Key Features and Benefits

- **No software required:** user can set up loggers and download data without using a PC
- **Large memory:** multiple downloads of data can be stored in the case before needing to download to PC
- **Flexible:** custom recording setup available
- **Quick:** USB communications with a PC
- **Battery LED:** indicates when battery is running low
- **Infra-red:** wireless connection with loggers
- **Night or Day use:** backlit LCD screen and easy to use push button interface
- **Pulse interval timing:** smooths reading of infrequent pulses
- **Long-term monitoring:** 5 year battery life
- **Extensive:** two cases can link together to set up and download
- **Multi-point correlation:** high performance multi-point correlation

- **Fully waterproof:** the IP68 rating has been tested at 10m depth over a 24 hour period
- **Software:** compatible with Radcom 'SoundSens' software

Applications

The correlator pods can find leaks in complex, interconnected pipe networks.

The advanced digital accelerometer circuits and sophisticated processing provides clean signals. Therefore, the SoundSens *i* system delivers impressive performance even in difficult situations.

SoundSens *i* correlator pods are completely waterproof, submersible and battery powered. They also require no maintenance for at least five years.

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Logger Features

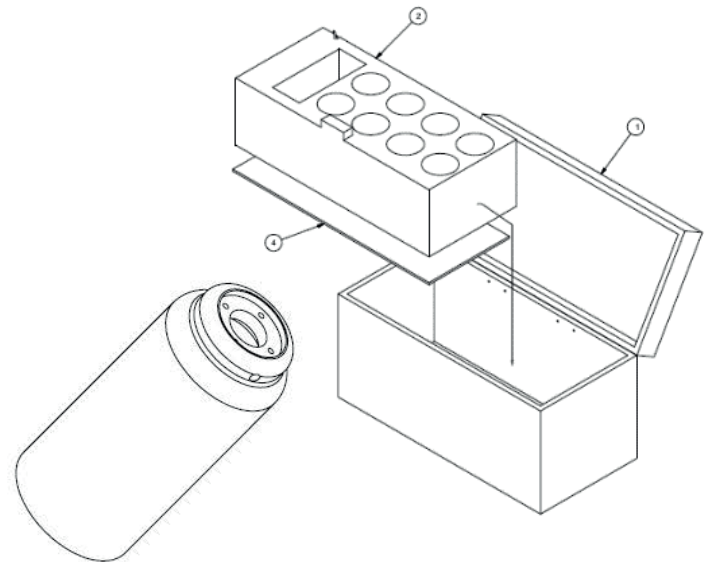
Logger ID	Factory set Logger ID number. Also user can enter another logger ID number to simplify recognition for operators
Construction	CPod: Die-cast aluminium enclosure, powdercoat spray painted. Carry Case: Rugged construction with Aluminium cladding
Dimensions	160 H incl. Magnet x 55D mm (6.3H x2.10D")
Weight	Correlator Pod: 0.7 kg (1.54 lb)
Operating Temp.	-10°C to +50°C (14°F to +122°F)
Ingress Protection	IP68 submersible
Carry Case	Supplied in 2 - 4 pod case or 6 - 8 pod case (Two cases can be connected together)
Clock	On board 24 hour real time clock with date facility
Memory	Capable of recording up to 120 seconds of audio data
Delayed Start	Either start at a nominated time, or after set delay period, e.g.; for unmanned night-time correlation
Power	Correlator pod has Lithium-ion cell operational for 5 years under normal operating conditions Carry Case interface unit contains NiCad battery which typically requires charging monthly or less. 240 /110v switch mode charger supplied in kit with mains lead
Software	Compatible with Radcom "SoundSens" analysis software

Sensor Input Options

Attachment of Logger/ Sensor	Internal High Performance Accelerometer to pick up audible noise in pipeline Powerful magnetic coupling to attach Correlator Pod to pipework / valve
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Communication

Case to PC	Via USB connection to PC for faster download
Case to Pods	Simultaneous communication from case to pod via infra-red
Case to Case	Via 9 pin RS232



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MONITORING ASSETS, DELIVERING DATA, BRINGING CONTROL