



ila^{1.0}

LEAK DETECTION



ILA 1.0

Leak detector and fault locator in pre-insulated pipes.

Detection and location is done by TDR technology.

General information:

Leak detection and location in pre-insulated pipes

Application:

District heating and cooling

Technical specification:

Measuring range:

6000 m sensor cable / 3000 m pipe (MSC-1)

2000 m sensor loop / 1000 m pipe (other manufacturers)

Channels:

2 - looped sections

4 - not looped sections

Accuracy:

+/- 0,1% of range, +/- 2 m

Display:

LCD touch screen

Alarm indication:

Visualisation on screen, buzzer, LED light

Multileak detection:

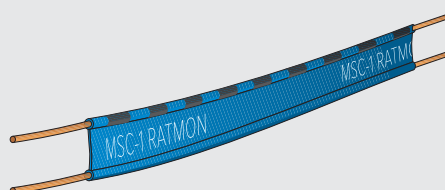
YES

Cable type and application:

District cooling - MSC-1 sensor cable

District heating, steel pipes - cooper wires

District heating, plastic pipes - MSC-1 sensor cable



Leak identification:	Fault detection and location (leak/break/short)
BMS & SCADA:	Yes
Memory (fault & alarm date):	Yes
External communication:	Ethernet (RJ 45) GPRS Communication with PC by USB or wireless Relay (BMS, SCADA) Communication with external systems by MODBUS TCP/IP Detector positioning and status on Google Maps Communication with RATMON system
Power supply:	12 V DC / 120 - 240 V AC
Working temperature:	-20°C / +70°C
Battery back-up:	Accumulator
Housing:	IP54/IP65 (in external cabinet)
Dimensions:	300 x 170 x 90 mm
Weight:	3,2 kg

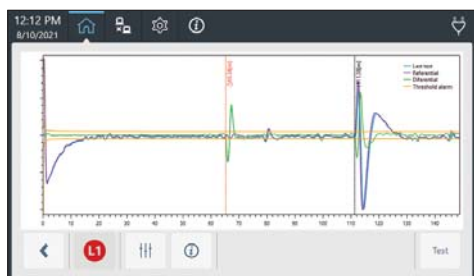
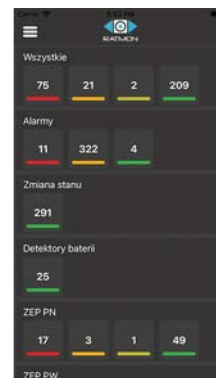
Software:



RATMON - web application for remote data acquisition and analysis of test results as well as configuration and operation of detectors.



RATMON MOBILE - Android and iOS application for reviewing of pipe loops state.



ILA - integrated software.

Scope of delivery:

- ILA device
- Power supply: 12 V DC / 120 - 240 V AC

Optional accessories:

DESCRIPTION	INDEX
External GSM antenna	ANT-1
3-wire sensor cable connection box, 2 alarm loops	BOX-7
MSC-1 connection box, two loops	BOX-9
Sensor cable	MSC-1
Mounting bracket	UM-1
External cabinet	SK-1