

READING UNIT IRU 10.00

Description and usage

Unit IRU 10.00 is used for data reading from the electronic heat cost allocators E-ITN 10, 20, 30 and radio modules for residential water meters E-RM 30 via infra-red (IR) interface. Also basic service of radio module E-RM 30 (without LC Display) is possible to provided with IRU 10.00 (switching between modes and to display set parameters or module functions).

Read data are transmitted via serial interface RS-232 to PC for further processing. For data transfer from the device to PC communication software IRU is used that is the part of the program package EITN. In cooperation with the decoding software from the same software package data verification is performed – only data from allocators and radio modules that the billing company owned so called customer data for are transferred to PC. Although the unit can read data from any allocator or radio module with infra-red interface, data transfer and further processing can be done only with proper customer data (licence and decoding files) provided by manufacturer.

Reading unit consists of a two part plastic casing, where electronic parts including batteries are located. Cover parts are connected with screw, after screw release upper side of the cover can be removed to replace the batteries.

At the top of the unit, reading head with transmitting (and also receiving) IR diode and LC Display is located. On the left side of the reading unit, operation button and serial port connector to connect the unit to a PC are located. For PC connection cable RS232 with connectors D-SUB9 Female/D-SUB9 Male – extension (patched) is used.

Technical specifications

Power supply	2 x 1,5 V (AAA) or 2 x 1,2 V (AAA) NiCd / NiMH
Communication interface	RS-232
Capacity	500 / 1000 records

In case of low voltage, battery symbol will appear on LCD.

Instructions for use

- Before planned reading, please perform batteries or rechargeable batteries test. Rechargeable NiCd or NiMH batteries suffer from self-discharge effect and about their „condition“ should be cared throughout the year.

- Load reading unit with intact batteries and rechargeable batteries of the same capacity and the charge level.
- If reading unit will be not in use for longer period (more than two months), batteries and rechargeable batteries have to be removed.
- Don't leave reading unit without the reason linked to the serial PC interface. Connected unit increases consumption of electrical energy from batteries.

Find more details in Installation and service manual for IRU 10.00.

Disposal

Please dispose as per following information: Return for recycle.

Possible minor faults and their elimination

Any defect should be repaired by manufacturer only.

Warranty terms and conditions

Manufacturer is responsible for specifications as per valid standards. If device will be handled and used accordingly to manufacturer instructions mentioned in Installation and service manual, manufacturer provide full guarantee under the valid legislation unless otherwise agreed.

The warranty is void if:

- device would be damaged during transport or stored in contradiction with instructions by customer or reseller
- device would be damaged when mounted or dismantled to the customer device

Warranty and post warranty repairs

Warranty and post warranty repairs have to be done by manufacturer. Pack the defective product and send back to the address:

APATOR METRA s.r.o.

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787 01 Šumperk
Czech republic

Tel.: 583 718 263

Fax: 583 718 150

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