

DATA READING UNIT RFU 40**Description and usage**

The RFU 40 is a data reading unit for receiving radio data from E-ITN 30 heat cost allocators and radio modules for residential water meters E-RM 30 broadcasting with APATOR METRA protocol. RFU 40 is an independently working and battery powered device. This reading unit is designed to be used with a mobile device running Android v4.2 or higher.

Three LED indicators are located on the front panel that display state of the Bluetooth® module, incoming radio data and battery level.

When turned on by pressing ON/OFF button all three LEDs briefly light up. While in use below mentioned symbols will be shown.

LED symbols description:**State of the Bluetooth module****1 flash in 3 seconds**

Bluetooth is not connected (when unit is on it keeps flashing)

2 flashes in 3 seconds

Bluetooth is connected (when unit is on it keeps flashing)

**Incoming radio data status****1 green flash**

radio data transfer was successful

1 red flash

radio data transfer was not successful

red keeps lighting

unit error

**Battery level****1 flash in 1 second**

low battery

keeps flashing for 5 seconds

drained battery, unit will be turned off

keeps lighting

charging the battery, light goes off when fully charged

Technical specification

Measuring conditions	operating temperature -20 to 55°C charging temperature 0 – 45°C
Power supply	Lithium-ion Polymer (3,7 V, 1400 mAh)
Charging battery	USB – micro connector (max. 5,0 V, direct current), charging cord length max. 3 m
Power input	max 450 mA
Display	3 LED diodes
Software	Radio Admin
Operation system	Android, version 4.2 or higher
Dimensions	7,2 cm x 8,8 cm (h x w)
Antenna length	9 cm
Weight	approx. 90 g

Usage Instructions

The RFU 40 reading unit is battery powered device. Battery is charged with Micro-USB (USB charging cord cannot be longer than 3m)

The RFU 40 unit is operated by Radio Reader software and this software needs to be installed on a mobile device running on Android v4.2 or higher. Radio Reader software is available for registered customers only at www.metra-su.cz. All data reads are stored directly on the mobile device.

Detailed manual available at www.metra-su.cz

Keep away the device from heat, hot surfaces, sparks, open flame and other sources of ignition.

Protect the device from the ingress of water and other liquids.

Warranty

If device is installed and handled according to manufacturer instructions mentioned in Installation and service manual, manufacturer provide warranty under the valid legislation unless agreed differently.

Disposal

This device is subject to a waste management in accordance with local legislation.



Declaration of conformity, declaration of directive RoHS

You can find declaration of conformity and declaration of directive RoHS on producer's web page: www.metra-su.cz

Warranty and post warranty repairs

Pack the defective product and send back to the address:

APATOR METRA s. r. o.

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787 01 Šumperk

Czech Republic

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