

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

The RFU 40 is a data reading unit for receiving radio data from measuring devices Apator Metra (E-ITN 30, E-ITN 40, E-RM 30) broadcasting with protocol APATOR METRA and Wireless M-Bus (T1+C1). 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 Admin software and this software needs to be installed on a mobile device running on Android v4.2 or higher. Radio Admin software is available for registered customers only at [www.metra-su.cz](http://www.metra-su.cz). For full usage of application is necessary to have licence Ralic. All data reads are stored directly on the mobile device.

Detailed manual available at [www.metra-su.cz](http://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](http://www.metra-su.cz)

## Warranty and post warranty repairs

Pack the defective product and send back to the address:

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