

# Controller MPC-140 (Code 702.051)

# TECHNICAL PASSPORT



#### **Device purpose**

- read data from energy carrier meters (electricity, heat, water, GAS, various sensors);
- to store accounting data;
- an initial analysis of data;

### **Device delivery set**

Controller MPC-140
 Set of connectors (depending on the configuration)
 Technical passport
 Software
 1 pc.
 pc.

#### **Technical data**

**Overall specification** 

CPU: Cortex M4

Flash: archive storage 1-8 MB, valid up to 5

years.

SDRAM: 8MB for 1000 Wmbus meters

32MB for 2000 Wmbus meters

External

memory: up to 8GB micro SD

2G: Quad-Band 850/900/1800/1900 MHz 3G: Dual-Band WCDMA/HSPA 900/2100MHz

Dual-Band GSM/GPRS/EDGE 900/1800MHz

**Interfaces** 

RS485: up to 1.2 km, max 32 transivers, speed

up to 19.2 Kbits/s

WM-bus: up to 2000 devices

depending on market (868 MHz or 433 MHz or

169 MHz)

USB: ver. 2.0, type A

**LED** indication

Power

Serial port read/write for each port

WM-bus status

GSM/GPRS modem status

**Protocols** 

Modbus RTU, Modbus TCP/IP, IP, SFTP, ICMP, UDP, TCP, DHCP, PPP, SNTP, IEC60870-5-104:2000

**General** 

Power supply: 9-36V DC(10VA)

Power consumption : <10VA
Real-time clock: YES

**Physical characteristics** 

Dimensions: 77x128x50 mm

Weight: 150 g
Case fixing type: DIN35
Protection type: IP20

Climate conditions

*Operating temperature:* -25 .. +60°C *Storage temperature:* -40 .. +60°C

*Humidity range:* 5 – 95%, non-condensing

Programming and updating

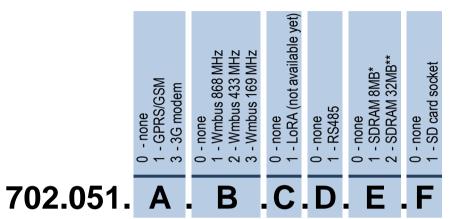
*Remotely:* GPRS

Locally: RS485 or USB

Socket No.	GSM GPRS	Wireless Mbus	RS485	Extended memory	Micro SD card	LoRA
Α	0					
В		0				
С						TBD
D			0			
E				0		
F					0	

O-optional one interface per socket; TBD - To Be Determined. A detail has not been decided yet, but will be determined in the future.

# **Model code explanation**



<sup>\*-</sup> Operating up to 1000 wireless mbus meters, Micro SD card is necessary.

# **Manufacturer warranty**

Warranty period – 24 month.

In case of controller's unavailability, the manufacturer commits to replace or carry out repair free of charges, if device was used in accordance with the operating manual.

A guarantee does not apply to faults caused by force majeure.

# Putting into operation certificate

Putting into operation certificate							
Controller MPC-140	Γ		٦				
Model code: 702.051.1.1.0.1.0.1							
Manufacturer's number:							
Date of manufacturing: February 2021		S.P.					
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<sup>\*\*-</sup> Operating up to 2000 wireless mbus meters, Micro SD card is necessary.