OVERVIEW

MPC-134 controller is created for data logging and analyzing in a real time. Using GPRS/GSM and/or Ethernet, controller sends saved data and reports to remote users.

Controller supports most of protocols and interfaces (RS232, RS485, MBUS, Data/Req, Current loop), so it can be used with different brands and models of counters. Our special "TRANSPARENT" data transfer protocol enables controllers to use with practically any device.

Device supports wide range of protocols (and can be extended by our programmers, if you need some special). MPC-134 is SCADA compatible.
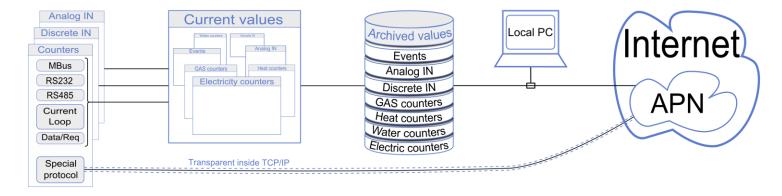
Our clients – GAS, Heat, Watering suppliers, Industry companies in EU, Ukraine, Central Asia.

DEFAULT FEATURES

- ✓ Reading data from energy carrier meters;
- ✓ "TRANSPARENT" remote data reading from counters (special manufacturers protocols);
- ✓ Independent data log (up to 8MB) with real time stamp;
- ✓ Remote configuration and upgrading possibilities over GPRS/GSM;
- ✓ Wide range of interfaces: GSM/GPRS, RS232, RS485, Data/Req, Mbus, Analog IN, Discrete IN, Discrete OUT;
- ✓ Galvanically isolated some interfaces from CPU;

BENEFIT TO THE CLIENT

- ✓ **Economy**, because controller does a lot of mechanic work, so your professionals can do more important work;
- ✓ **Flexibility**, because you can customize hardware and software settings;
- ✓ Increase **efficiency**, because the data are sent to a central computer continuously. If connection is lost, data will be safe kept in controllers memory, until connection will be reestablished;
- ✓ Increases **security**, because the relevant information is rapidly shorten response time;
- ✓ **Versatile**, because this controller can retrieve data from different manufacturers and even different types of meters;
- ✓ **Simplicity**, because of intuitive control and optimally assembled LED's it is easy to monitor and maintain equipment;
- ✓ **A good partner**, because we not only help you customize and will make equipment, but also flexibly adapt controller, if your demands will change.

CUSTOMIZING DEVICE

The exceptional feature of this device - a flexible hardware and software configuration, it depends on customer needs. You can choose the desired interface and functionality.

Interface	RS232	RS485	Data/Req	MBUS	GSM (GPRS)
A	○*	○*	○*	○*	
B	○*	○*			
C	○	○			
D					○
Discrete IN	16	**Discrete OUT**	8	**Analog IN**	4

○ -optional one interface per socket; *-galvanically isolated

Overall specification
CPU: ARM7
Flash: archive storage of 1-8 MB, battery backup, data valid up to 5 years
GSM/GPRS: 3 band 900/1800/1900 MHz

Interfaces
RS232:   up to 15m (50ft), speed up to 19,2 Kbits/s
RS485:   up to 1.2 km (0.75 mi), max 32 transivers, up to 19.2 Kbits/s
Data/Req: (KAMSTRUP) data transfer interface
Mbus: up to 250 devices
Current loop: <30V, 14-20mA, up to 6 km (3.71mi), speed up to 19,2 Kbit/s
USB: type B, ver. 2.0,
Discrete In: 8 sink contacts
Discrete Out: 8 open contacts
Analog Inputs: 0/4÷20mA, 0÷5mA, error 0,15%

LED indication
Power
Discrete Input signal status for each port
Serial ports read/write for each port
GSM/GPRS modem status

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

General
Power supply: 9 – 36 VDC / 10VA
Over-voltage protection: >1000V

Power consumption: <10VA

Physical characteristics
Dimensions: 197x128x50 mm
Weight: 450 g
Case fixing type: DIN32
Protection type: IP20

Climate conditions
Operating temperature: -25 .. +60°C (-13..140°F)
Storage temperature: -40 .. +60°C (-40..140°F)
Humidity range: 5 – 95%, non-condensing

Regulatory approvals
LST EN 55022:2000+A1+AC:2002+A2:2003
LST EN 55024:2000+A1:2003+A2:2003
LST EN 61000-4-2+A1+A2:2002
LST EN 61000-4-3+A1:2004
LST EN 61000-4-4:2005
LST EN 61000-4-5:2002+A1:2003
LST EN 61000-4-6:2002+A1:2003

Programming and updating
Remotely: GSM/GPRS
Locally: RS232

Other features
Real time clock
Mbus auto setup

Warranty
Warranty period: 2 years

Manufacturer:

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