



V.Bartkevicius company "VALSENA"  
 Savanoriu ave. 271 - 412 Kaunas LT 50131, Lithuania  
 Phone: 370 37 310603 Fax: 370 37 310648  
 E-mail: valsena@valsena.lt

## MPC-040



### Main features:

- Freely chosen interfaces: up to 4 interfaces.
- Supported interfaces: RS485, RS232, Opto (Kamstrup), Mbus, Current Loop.
- Galvanically isolated interface: second
- Supported protocol: Modbus RTU.
- Dimensions: 120mm x 101mm x 35mm
- Fixing: on DIN32.
- Power: 10-30 VDC (5VA)

<b>First interface</b>	
RS485	distance up to 1,2km, max 32 transivers, speed up to 19.2 Kbits/s
RS232	distance up to 15m, speed up to 19,2Kbit/s
<b>Second interface (galvanically isolated)</b>	
RS232	distance up to 15m, speed up to 19,2Kbit/s
Opto	(Kamstrup) data transfer interface
Mbus	up to 8 devices
<b>Third interface</b>	
RS232	distance up to 15m, speed up to 19,2Kbit/s
<b>Fourth interface</b>	
2 wire active Current Loop	25-27V, 14-20mA, up to 6km, speed up to 19,2Kbit/s
<b>General</b>	
Power	9-36 VDC
Galvanic isolation	>1000V
Capacity	200mA max
<b>Regulatory approvals</b>	
Electromagnetic compatibility	EN 55022:2010 EN 55024:2010 EN 61000-4-2:2009 EN 61000-4-3:2006 EN 61000-4-3:2006/A1:2008 EN 61000-4-3:2006/A2:2010 EN 61000-4-4:2004 EN61000-4-4:2004/A1:2010 EN 61000-4-6:2009
Safety	EN 60950-1:2006+A1:2010+A11:2009+A12:2011
<b>Specification</b>	

CPU	C8051F345
Memory	archive storage 1-8 MB, independant data storage without power about 5 years
<b>LED indication</b>	
Power	+
Serial ports read/write for each port	+
<b>Programing and updating</b>	
Locally	RS232, RS485
<b>Physical characteristics</b>	
Dimmensions	120x101x35 mm
Mounting type	on DIN32 rail
Safety class	IP20
<b>Climate conditions</b>	
Operating temperature	-25..+60 °C
Humidity range	5-95%, non-condensing
<b>Other fuetures</b>	
Real time clock	+
24 months warranty period	+

## OVERVIEW

Controller MPC-040 is created for data logging and analyzing in a real time. Using RS232, RS485, MBUS, Opto, Current loop controller read data and in set intervals send to remote users.

Device supports common interfaces (RS232, RS485, MBus, Opto, Current loop) and use Modbus RTU protocol for data transfer.

## DEFAUL FEATURES

- Interfaces: GSM/GPRS, RS232, RS485, Opto, Mbus and Current loop;
- 32kB of energy-independent memory with real time clock, for safety of your data;
- Galvanically isolated interfaces and power supply.