# Multi-channel process display MPA 10



## Benefits

- 40 configurable display elements
- 10 configurable displays with 1 to 12 elements
- Integrated web server
- Remote operation
- Interface protocols: Modbus-RTU, Modbus-TCP

## Application

Universal use for displaying definable values on a graphic display. Scrolling through multiple display types. Visual signal monitoring with web browser. Logging of data for subsequent evaluation.

## Versions

|  | Part no. |
| --- | --- |
| **Multi-channel process display MPA 10** | 31286 |

Blue part no. = in-stock items

## Description

The multi-channel process display MPA 10 is a combined display unit and data logger for control panel mounting. It provides up to 8 analogue inputs for standard signals. The inputs can be configured as a current inputs or a voltage inputs. Count values can be derived from the analogue signals by means of adjustable switching thresholds. It is possible to display scaled measured values with definable units. The measured values are displayed by means of configurable display elements such as numerical indication, bar chart, time diagram, maximum pointer or LEDs. The device is shipped with preconfigured standard display windows. All signals can be cyclically logged in the device memory. The logged data is saved to an internal microSD card as day files. These files can be saved to a USB flash drive at any time or downloaded via the network interface. The device is configured via the integrated web server of the network interface or the free configuration software. The various interfaces (RS 485/LAN) allow the device to be easily integrated into data networks so that measurement data can be displayed and logged in real time.

## Technical specifications

**Display**
Resolution: 320 x 240 pixels
User interface languages: German, English, French
Indication of value and bar chart

**Measuring range**
Current inputs 0-20 mA
Input resistance 50 Ohm
Voltage inputs 0-10 V
Input resistance 100 kOhm

**Operating temperature range**
Ambient:                    -10/+50 °C

**Supply voltage**
AC 50 – 253 V, max. 9.5 VA
DC 20 – 253 V, max. 3 W

**Input resistance**
Current:                    < 65 Ohm
Voltage:                    > 100 kOhm

**Housing**
Panel housing
W x H x D:                  96 x 96 x 63 mm

**Panel cut out**
W x H:                      90 x 90 mm

**Weight**
0.25 kg

**Degree of protection**
Front:                      IP 54 (EN 60529)
Connection terminals: IP 20 (EN 60529)

**Electrical connection**
Screw terminals removable

**Interfaces**
RS 485 (Modbus RTU)
RS 232
USB host
Ethernet (Modbus TCP)

**Data memory**
Internal memory 2 GB
Sampling interval 1s – ~18h
File format *.csv

## Technical drawings



Dimensions (in mm)