

Multi-channel process display



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.

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

TFT-Display 3.5"

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)

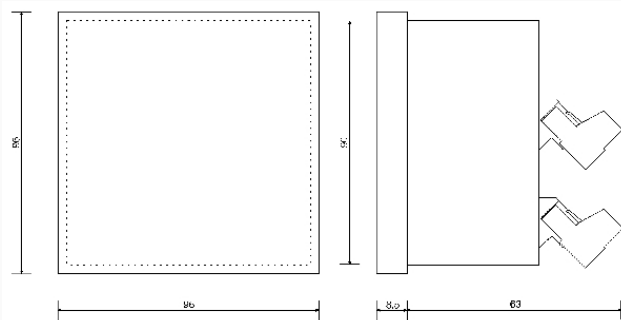
Data memory

internal memory 2 GB
internal memory medium micro SD, single level cell
Sampling interval 1s – ~18h
Max. number of channels 32
File format *.csv

controls

3 keys

Technical Drawings



Dimensions (mm)

Versions

Part no.

Multi-channel process display
MPA 10



31286

● in-stock items

● Non-stock items