Multi-channel process display MPA 20

Part no. MPA 20 02020302

Multi-channel process display

benefits

- Up to 90 channels for inputs/outputs
- 35 mathematical/logical functions
- 8 integrated PID controllers with autotuning
- 8 time-controlled/event-controlled profiles
- Touchscreen operation and remote operation
- Multi-level password system
- Web server with HTML5 widgets
- E-mail function

Application

Universal application for displaying and logging up to 16 independent analogue input signals, 8 binary inputs, 4 resistance thermometer inputs (RTD), 4 thermocouple inputs (TC) with freely selectable scaling and units. MPA 20 is very well suited for applications in which several physical measured variables reflect the state of an object and the state is controlled by several parameters at the same time.

Description

Digital display unit with integrated data logger in plastic housing for control panel mounting which allows for simultaneous measurement, visualisation and controlling of multiple channels. MPA 20 can operate autonomously or in conjunction with external measuring equipment and actuators. The multi-channel process display is designed as a modular device that consists of a base unit and optional input modules and output modules. The base unit comprises the main processor, a touch display, a switched-mode power supply (two available versions: 19–35 VDC and 85–260 VAC) as well as the communication interfaces (USB and RS 485).

Technical Specifications

Display
TFT touchscreen display 5.7 "
User interface languages: German, English, French
Indication of vale, bar chart, diagram, pointer, groups

Measuring range
Current inputs 0-20 mA
Voltage inputs 0–5 V, 1–5 V, 0–10 V, 2–10 V
Resistance thermometers
Thermocouple

Operating temperature range
Ambient: 0/50 °C

Supply voltage
AC/DC 85 – 260 V

Input resistance
Current: < 65 Ohm
voltage: > 100 kOhm

Housing
Panel housing
W x H x D: 144 x 144 x 110 mm

Weight
0.35 kg

Degree of protection
Housing, connection terminals: IP 20 (EN 60529)

Electrical connection
Plug-in screw terminals (1.5 mm^2)

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

Data memory
Internal memory 1.5 GB, max. 125,000,000 values
Acquisition of measured values of up to 60 channels
2 selectable measurement frequencies (max. 10 Hz)
comprehensive trigger functions
Data transmission via USB flash drive or Ethernet

Slot P
02
Supply AC/DC 85–260 V
Output DC 24 V 200 mA
Digital input DC 24 V, RS-485 Modbus RTU

Slot D
02
USB host port rear

Slot C/B/A
03
4 x resistance thermometer input (RTD)

Special version
02
USB host port front

Options
- Software
- DIN rail adapter

Options

- Software
- DIN rail adapter

Versions

			Slot D	Slot C/B/A		Part no.
	Supply AC/ DC 85–260 V	Special version USB host port front	USB host port rear	4 x resistance thermometer input (RTD)	●	MPA 20 02020302

● in-stock items

○ Non-stock items