

■ Display with Serial Interface MT 7001, MT 7002 and MT 7003

Highlights

- Serial input RS 232, RS 485 or TTY
- Addressing
- LED Display 45 mm, 4 decades
- DIN Housing 192 x 72 mm
- Switchboard- or Mosaic System Mounting
- Isolated Power Supply
- Plug-In Screw Terminal
- 2 Alarm Relay Output

Comments

The instruments are available with several interfaces:

MT 7001

- RS 232 signal input

MT 7002

- RS 485 signal input

MT 7003

- TTY (Current-Loop, 20 mA) signal input

Standard functions

Addressing

Several instruments can work on one interface. To this each instrument gets a own address.

If the displayed signs of the data string is not start at the first position, it is possible to programm how much preceded signs are to ignore.

Signs

- -, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F
- Blank, decimal point
- "+" is shown as a blank

Software functions

- Programmable baud rate
- 3 selectable address signs
- To fade out max. 127 signs
- Display test
- Limiting value functions

Digital input channels

The instrument is provided with three digital input channels. The input channels are low active. The digital input channels are carried out following functions:

- Programming
- Display test



Alarm relay outputs

The instrument is provided with two alarms with relay output. For each alarm point there can be programmed following functions:

- Alarm point and hysteresis
- High or low alarm

Power supply

- 18 .. 36 V DC isolated
- optional 12 V DC isolated
- optional 5 V DC isolated

Programming

The programming is easy and clearly arranged. By means of a programming menu the user is taken through this programming. The programming is carried out through the digital input channels.

Options

Housing

- Switch board mounting DIN 43700
- Mosaic system mounting (Subklev)

Colour of the front frame

- Black

Display colour

- Red

Technical data

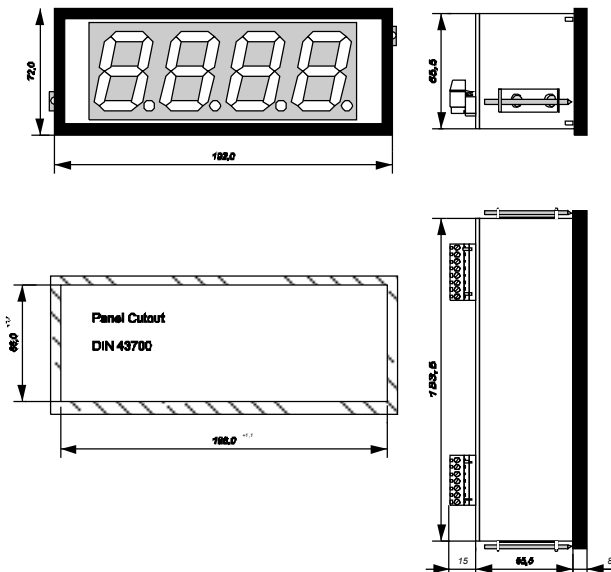
Display	: 4 decades, 45 mm, red
Signal input	
MT 7001	: RS 232
MT 7002	: RS 485
MT 7003	: TTY (Current-Loop, 20 mA)
Data form	: 1 start bit, 8 data bits, 2 stop bits
Baud rate	: 1200, 2400, 4800, 9600 prog.
Digital input channels	: 10 kΩ to +5V
Low level	: < 0,4 V
High level	: > 3,5 V, max. 30 V
Limit value (relays)	: AC max. 5 A, max. 250 V, 1250 VA
	: DC max. 5 A, max. 250 V, 100 W
Power supply DC	: 18 V to 36 V DC, isolated
optional	: 12 V DC, ± 10 %, isolated
optional	: 5 V DC, ± 10 %, isolated
Power consumption	: approx. 70 mA (red)
(18 .. 36 V DC)	
Housing	: switch board mounting DIN 43700
Dimensions	: 192 x 72 x 63,5 mm
Depth	: < 72 mm incl. screw terminal
Protection	: front IP 40
EMV	: in conform with 89/336/EWG
Operating temperature	: 0 .. 50 °C

Ordering information

MT 700x -	
	Housing
0	Switch board mount
1	Panel clip
Front frame colour	
0	Black
Front design	
0	Without front foil
Display colour	
0	Red
Power supply	
0	5 V DC, ± 10%, isolated
1	12 V DC, ± 10 %, isolated
2	18 .. 36 V DC, isolated

Dimensions

Switch board mounting



Panel clip

