

## ■ Displays with Serial Interface MT 2511M, MT 2512M and MT 2513M

### Highlights

- Serial Input RS 232, RS 485 or TTY
- Addressing
- LED Display 8 mm, 5 decades
- Housing for Mauell-Mosaic-Systems  
M 24 T, M 24 MK and MK 24x48
- Isolated Power Supply
- Plug-In Screw Terminal

### Standard functions

The instruments are available with several interfaces:

#### **MT 2511M**

- RS 232 signal input

#### **MT 2512M**

- RS 485 signal input

#### **MT 2513M**

- 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

#### **Digital input channels**

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

- Programming
- Display test



### 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 type**

- Mauell-Mosaic-Systems M 24 T, M 24 MK and MK 24x48

#### **Colour of the front frame**

- Black
- Grey coloured RAL 7037
- Grey coloured RAL 7032
- Grey coloured RAL 7035

#### **Design of the front**

- Without front foil
- Front foil ERMA-METER
- Front foil NEUTRAL
- Unit overprint

#### **Display colour**

- Red
- Green

**Technical data**

Display : 5 decades, 8 mm, red (opt. green)

Signal input  
 MT 2511M : RS 232  
 MT 2512M : RS 485  
 MT 2513M : 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

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. 30 mA (red)  
 (18 .. 36 V DC) : approx. 43 mA (green)

Housing : Mauell-Mosaic-Systems  
 M 24 T, M 24 MK, MK 24x48

Dimensions : 48 x 24 x 86,5 mm  
 Depth : < 95 mm incl. screw terminal  
 Protection : front IP 40

EMV : EMV-conform with 89/336/EWG  
 Operating temperature : 0 .. 50 °C

**Ordering information**

<b>MT 251xM -</b>	
	<b>Housing</b>
	0 Mauell-Mosaic-Systems
	<b>Front frame colour</b>
	0 Black
	1 Grey coloured RAL 7037
	2 Grey coloured RAL 7032
	3 Grey coloured RAL 7035
	<b>Front design</b>
	0 Without front foil
	1 Front foil ERMA-METER
	2 Front foil NEUTRAL
	<b>Display colour</b>
	0 Red
	1 Green
	<b>Power supply</b>
	0 5 V DC, ± 10%, isolated
	1 12 V DC, ± 10 %, isolated
	2 18 .. 36 V DC, isolated

**Unit overprint**

Please specify in clear text at order !

**Dimensions**

