

■ Programmable Digital Panel Meters UM 2550M

Highlights

- Signal Input 0 - 10 V and 0/4 - 20 mA
- Housing for Mauell-Mosaic-Systems M 24 T, M 24 MK and MK 24x48
- LED Display 8 mm
- Plug-In Screw Terminal
- Isolated Power Supply

UM 2550M

- Voltage 0 - 10 V
- Current 0 - 20 mA resp. 4 - 20 mA
- Display range -999 .. 9999
- Resolution max. 4000 digits
- Accuracy 0,1% ±1 digit

Software functions

- Scaling factor
- Userdefined linearization up to 9 points
- Adjustable digital filter
- Peak detection
- Programmable decimal point
- Last digit in 1, 2, 5 or 10 steps
- Display test

Digital input channels

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

- Programming
- Display test
- Reset of peak detection

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 tone RAL 7037

Design of the front

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

Display colour

- Red
- Green

Technical data

Display green)	: 4 decades, 8 mm, red (opt.
Input impedance	: at voltage > 1 MΩ : at current approx. 10 Ω
Conversion rate sec	: approx. 5 per
Digital inputs	: 10 kΩ to +5 V : low level < 0,4 V : low 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 (18 .. 36 V DC)	: approx. 25 mA (red) : approx. 40 mA (green)
Housing	: Mael-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	: in conform with 89/336/EWG
Operating temperature	: 0 .. 50 °C

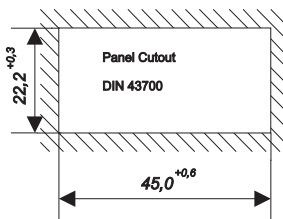
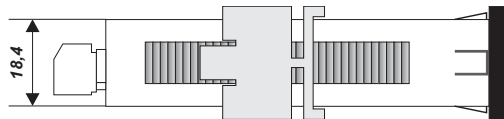
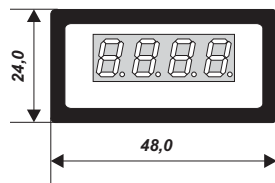
Ordering information

UM 2550M -	
	Housing
	0 Mael-Mosaic-Systems
	Front frame colour
	0 Black
	1 Grey tone RAL 7037
	Front design
	0 No front foil
	1 Front foil ERMA-METER
	2 Front foil NEUTRAL
	Display colour
	0 Red
	1 Green
	Power supply
	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



or
Mael-Mosaic-Systems

M 24 T
M 24 MK
MK 24x48

