■ Low-Cost-Panel Meter UM 2701

Highlights

- **High Quality Low-Cost-Meter**
- **LED-Display, red, 14 mm**
- **Display Range -1999 ... 1999**
- **Fronta 72 x 36 mm**
- **Plug In Screw Terminal Connector**

Available Ranges

- Voltage: -199,9...199,9 mV
- Voltage: -1.999...1,999 V
- Voltage: -19,99...19,99 V
- Voltage: -199,9...199,9 V
- Voltage: -500...500 V
- Current: 0...20 mA

Technical Datas

- Accuracy 0,1 % ± 1 Digit
- Resolution 4000 Digit

Options

Housing

- Panel mounting DIN 43700
- Mosaic system mounting (Siemens 8RU)

Colour of the front frame

- Black
- Grey RAL 7037

Front design

- Without front foil
- Front foil ERMA-METER
- Front foil without label
- Unit label

Specifications

Ranges	
Voltage	
Input resistance	> 1 M
Current	0 .. 20 mA, ± 0,1 %
Voltage drop	200 mV
Rate	3 samples per second
Supply voltage DC	18 V .. 36 V DC
Isolation voltage	500 V / 1 min
optional	12 V DC, ± 10 %, isolated
optional	5 V DC, ± 10 %, not isolated
Power consumption	max. 0,7 W

Supply Voltage

The UM 2701 is available for different supply voltages:

- 18 .. 36 V DC isolated
- 12 V DC isolated
- 5 V DC not isolated

Ordering Information

UM 2701					
					Housing
					0 Panel meter
					1 Panel-Clip
				Becel	
				0 black	
				1 RAL 7037	
			Front		
			0 without front foil		
			1 Front foil ERMA-METER		
			2 front foil NEUTRAL		
		Ranges			
		0 200 mV			
		1 2 V			
		2 20 V			
		3 200 V			
		4 500 V			
		5 20 mA			
	Supply voltages				
	0 5 V DC. ± 10%. isolated				
	1 12 V DC. ± 10 %. isolated				
	2 18 .. 36 V DC, not isolated				

Unit Label

Please specify in text at order !

Technical Subjects To Change

Mechanical Datas

Display	4-digit, 14 mm, red) Decimal point programmable Sign at negative values
Case	According DIN 43700
Dimensions (B x H x T)	72 x 36 x 63,5 mm
Depth	72 mm including terminal connector
Mounting	Panel mounting or mosaic mounting
Weightt	ca. 350 g
Connection	Plug in terminal connector

Connections

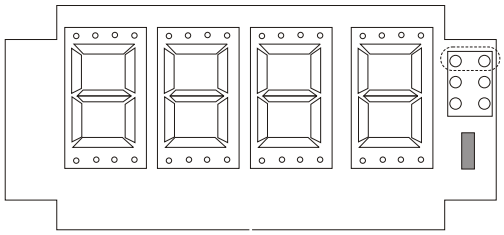
Input channel (+)	Terminal 1
Input channel GND (-)	Terminal 2
Power supply (-)	Terminal 3
Power supply (+)	Terminal 4

Environmental Conditions

Operating temperature	0 .. 50 °C
Storage rtemperatuer	-20 .. 70 °C
Humidity	< 80 %, not-condensing
Protection	Protection class II
Front protection	IP 40
Fiels of application	class 2 overvoltage protection II
CE	in conform with 89/336/EWG NSR 73/23/EWG

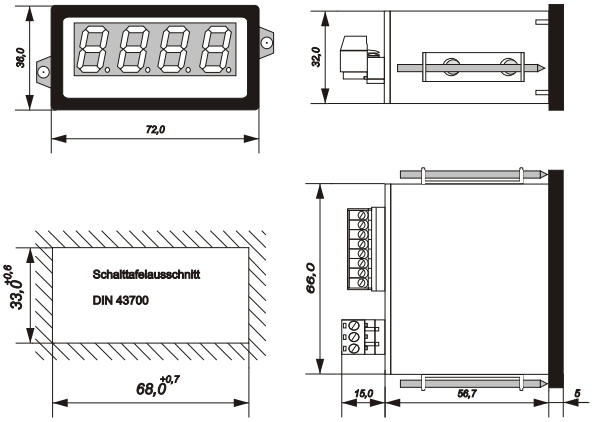
How to set a decimal point?

1. Remove the front frame of the device.
2. Remove the front plate of the device
3. On the right side of the display pcb you can see a jumper field with 6 pins
4. Set the jumper to the wished position
5. Replace the front plate and the front frame

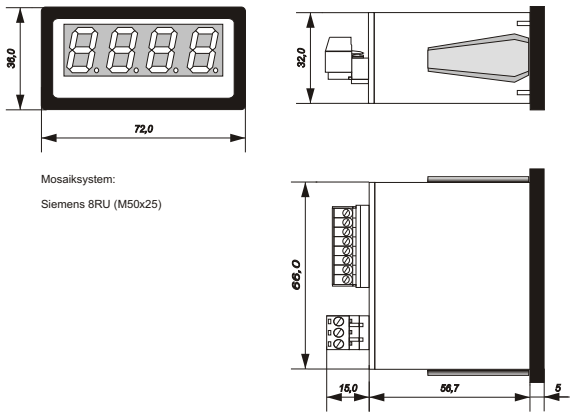


Jumper 1 ---> decimal point 10h3 x.xxx
Jumper 2 ---> decimal point 10h2 xx.xx
Jumper 3 ---> decimal point 10h1 xxx.x

Switchboard



Panel Clip



Mosaiksystem:

Siemens 8RU (M50x25)

UM2701E.PUB/07.02

Technical Subjects to Change