

Data Sheet

Type: **DMA10-31C10R**

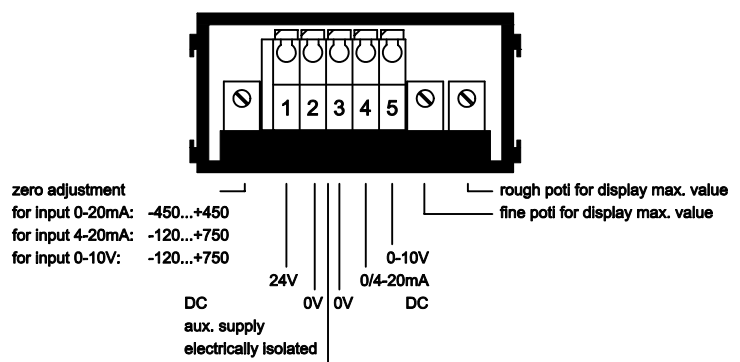
DC Current/Voltage Low Cost
0-10V, 0/4-20mA

Front frame 48 x 24 mm
Norm Case

front view



rear view



technical data

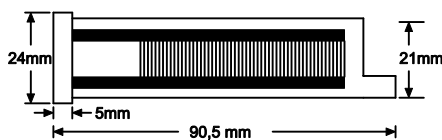
aux. supply:	21,6 - 26,4 VDC electrically isolated
power consumption:	typ. 19,6mA min. 14,5mA max. 25,8mA
measuring range voltage:	0-10V DC
measuring range current:	0/4-20mA DC
display max:	adjustable
display zero:	adjustable (0/4-20mA: +/450 / -12..+750)
conversion rate:	approx. 1 per second
principle of measurement:	Dual-Slope-Integration
conversion error:	+/- 0,05% of measuring value, +/- 1Digit
overflow indication:	display shows "+1", the other digits are blank
line break indication (4-20mA):	display shows "-" (negative presage)
display height:	10 mm

decimal-point adjustment:	with jumper J1 on motherboard	
input resistance:	input 4	Ri 100 Ohm
	5	110 kOhm
resolution:	-1999 ...+1999	
Min/Max Input-signal	20mA: 16mA/34mA	
for min/max display value	10V: 7,7V/17V	
panel cutout:	44,5(+0,6) x 21,1(+0,3) mm	
housing depth:	90,5 mm	
mounting depth:	85,5 mm	
bezel height:	5 mm	
connector:	cage clamp (0,08-1,5mm ² / AWG20-16)	

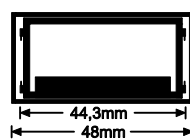
Adjustment:

- take off front glass
- untie the motherboard-fixture and take out motherboard from front side
- adjustment of decimal point with jumper J1
- put in motherboard from front side
- connect aux. supply
- connect max. input signal, adjustment of max display value with poti.
- zero adjustment with poti

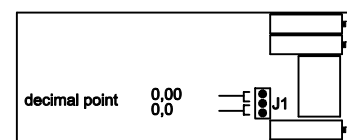
side view



back view



top view motherboard



adjustments ex work:
input/display values: 0-20mA = 0 -199,9

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- specifications subject to change without notice -

