

Operating Manual

The **RISH DPM 48x96 ACA** is used for AC Current measurement & **RISH DPM 48x96 DCA** is used for DC Current measurement. Three ranges for power supply are available.


Operation:


By changing short links decimal point can be adjusted as shown in sticker on page 2. After doing this, you can adjust the display to the required value by means of the zero and span adjustment potentiometers on the rear of the meter.

Technical data

Display	Display range	1999
	Decimal point position	selectable by short links at the rear side
	Negative display indication	"-"
	Digit height	14 mm / 7-segment digits
	Overload indication	last 3 digits blank
Measuring ranges	<i>RISH DPM 48x96 ACA</i>	0 ... 20 A AC
	<i>RISH DPM 48x96 DCA</i>	0 ... 20 A DC (Voltage drop < 100 mV)
	Accuracy	< 0.5 % + 1 digit
	Range adjustment span Temperature coefficient zero point drift	from 5% to 100% of range 100 ppm / °C, plus 200 ppm / °C
Power supply	Direct voltage DC	24V (21...30V) max.5.5 W (isolated)
	Alternating voltage AC (47 - 60 Hz)	110 V +10 %, -15 % max.5.5 W (isolated) 230 V +10 %, -15 % max.5.5 W (isolated)
Environmental conditions	Climatic class	Class 2 to VDE / DIN 3540
	Operating temperature	0 ... 50 °C
	Storage temperature	-40 °C ... +80 °C
	Safety class	II to IEC 348 / VDE 0411
	Protection class	IP 20 to IEC EN 60 529
	Front	IP 50
	Device safety	According to IEC EN 61 010
	EMC immunity EMC radiated interference	According to DIN EN 61 000-4-1 up to 4 According to DIN EN 50 081 class B
Dimensions and weights	Front frame	96 mm x 48 mm to DIN 43 718
	Panel cut-out	92 +0.8 mm x 43.5 +0.6 mm
	Overall depth	138 mm
	Weight	approx. 500 g
Sundry	Connections	Plug & screw terminal blocks

Sticker

 RISH DPM 48/96 ACA		Sr.No. 08/06004	
Range : 1999			
Aux. Supply	A ~	230V AC, 50Hz (+10%/-15%)	
	B ~		
Input Current (I)	65 LO	COMMON	
	21 HI	20A AC	
Decimal Point Adjustment (DP)	X.XXX	XX.XX	XXX.X
	Decimal Point Adjustment		
Decimal Point Adjustment		Measuring Input Current	
10	9	8	7
Zero Adj.		Span Adj.	
		Measuring Input Current	
		65 43 21	
		Aux. Supply.	
		B A	

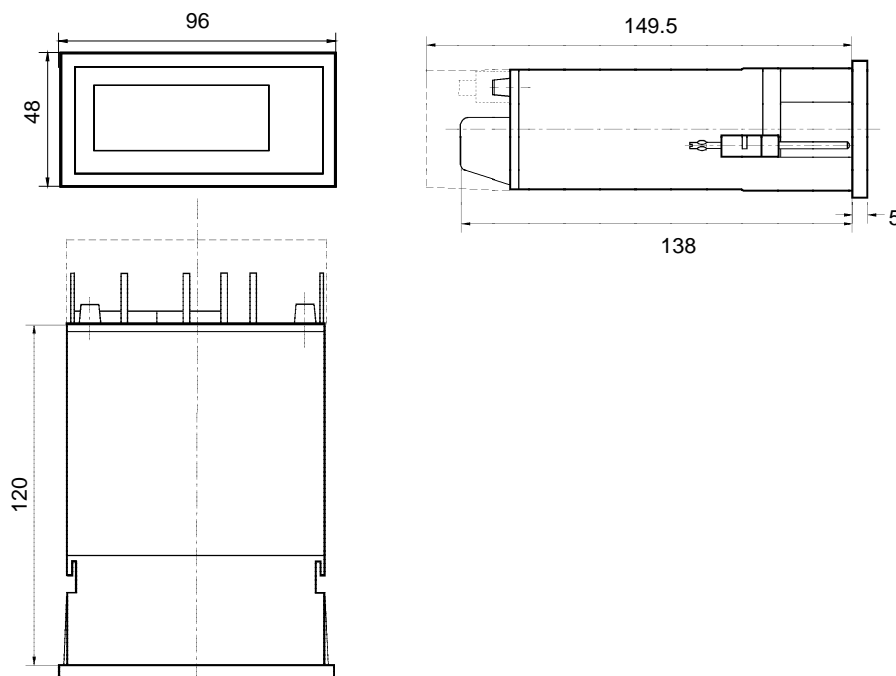
 RISH DPM 48/96 DCA		Sr.No. 08/06004	
Range : 1999			
Aux. Supply	A ~	230V AC, 50Hz (+10%/-15%)	
	B ~		
Input Current (I)	65 -	COMMON	
	21 +	20A DC	
Decimal Point Adjustment (DP)	X.XXX	XX.XX	XXX.X
	Decimal Point Adjustment		
Decimal Point Adjustment		Measuring Input Current	
10	9	8	7
Zero Adj.		Span Adj.	
		Measuring Input Current	
		65 43 21	
		Aux. Supply.	
		B A	

Measuring input

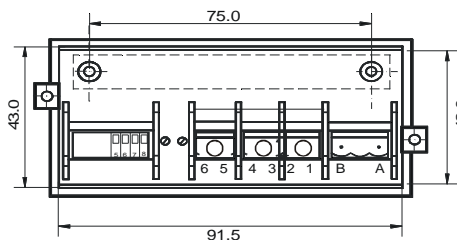
Current input
Display adjust (with external calibrator)
Decimal point programming

Terminals **2 1 (HI +)** and **6 5 (LO -)**
with zero and span pots
with short links

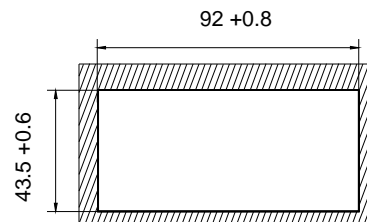
Design and Installation



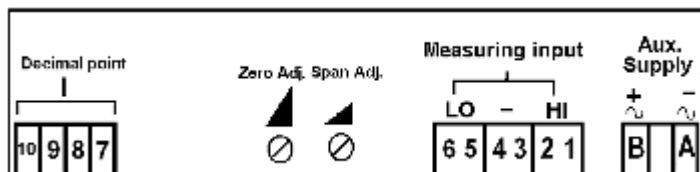
Mounting position



Installation cut-out



Connections



Subject to change without notice!

Item code : 15000171
06/2008 (REV. A)
Printed in India

RISHABH INSTRUMENTS PVT. LTD.
F-31, M.I.D.C., Satpur, Nashik-422007, India
Tel.: 91-253-2202 202, 2202 162
Fax: 91-253-2202 361, 2202 302
E-Mail: service@rishabh.co.in
Website : www.rishabh.co.in