



## Applications:

The digital panel meters **RISH DPM 48 x 96** have been designed for industrial applications, which frequently require precise, on-site adjustment of the display range.

It can be used in industrial automation and for laboratory uses.

It provides cost-effective solution for virtually all switchboard instruments.

## Features:

- **RISH DPM 48x96 ACA is used for AC Current measurements.**
- **RISH DPM 48x96 DCA is used for DC Current measurements.**
- **Scaling adjustable over a wide range ( 5 - 100 % ) of full scale**

Highly adaptable DPM's suitable for a wide range of measuring applications.

Available in two different models for measurement of AC & DC current.

The chosen input range is user adjustable, on 100% of the full-scale value, for simple adaptation of the digital readout to the input value.

For example, **RISH DPM 48x96 ACA** can be scaled for standard 20 A secondary current transformers.

96 mm x 48 mm DIN-standard housings.

## Description

<b>RISH DPM 48x96 ACA</b>	AC Current measurement
<b>RISH DPM 48x96 DCA</b>	DC Current measurement

3 ranges for power supply are available.

### Applicable Regulations and Standards

Protection class front	IP 20 to IEC EN 60 529 IP 50
Climatic class	Class 2 to VDE/DIN 3540
Safety class	II to IEC 348 / VDE 0411
Device safety	IEC EN 61 010
EMC immunity	DIN EN 61 000-4-1 to 4
EMC radiated interference	DIN EN 50 081 Class B

## Specifications:

<b>Display:</b> Display range	: 1999
Decimal point position	: Selectable by short links at the front side of Display.
Negative display indication	: “-”
Digit height	: 14 mm / 7- segment digits.
Overload indication	: Last 3 digits blank.

### Measuring ranges :

<b>RISH DPM 48x96 ACA</b>	0...20 AAC [45...65 Hz]
<b>RISH DPM 48x96 DCA</b>	0...20 A DC
Voltage drop	< 100 mV
Decimal Point selection by	Short links on the rear side

### Accuracy :

<b>RISH DPM 48x96 ACA / DCA</b>	Measuring Accuracy current (Voltage drop < 100 mV)	< 0.5% + 1 digit
	Temperature coefficient	100 ppm/°C, plus
	zero point drift	200 ppm/°C
	Range adjustment span	from 5 to 100% of range
<b>Power supply</b>	Alternating Voltage (AC) (47 - 60 Hz)	230V + 10% -15% 5.5W approx (isolated) 110V + 10% -15% 5.5W approx (isolated)
	Direct Voltage (DC)	24V (21V...30V) 5.5W approx (isolated)

<b>Ambient conditions</b>	Operating temperature	0 ... 50 °C
	Storage temperature	- 40 ... 80 °C

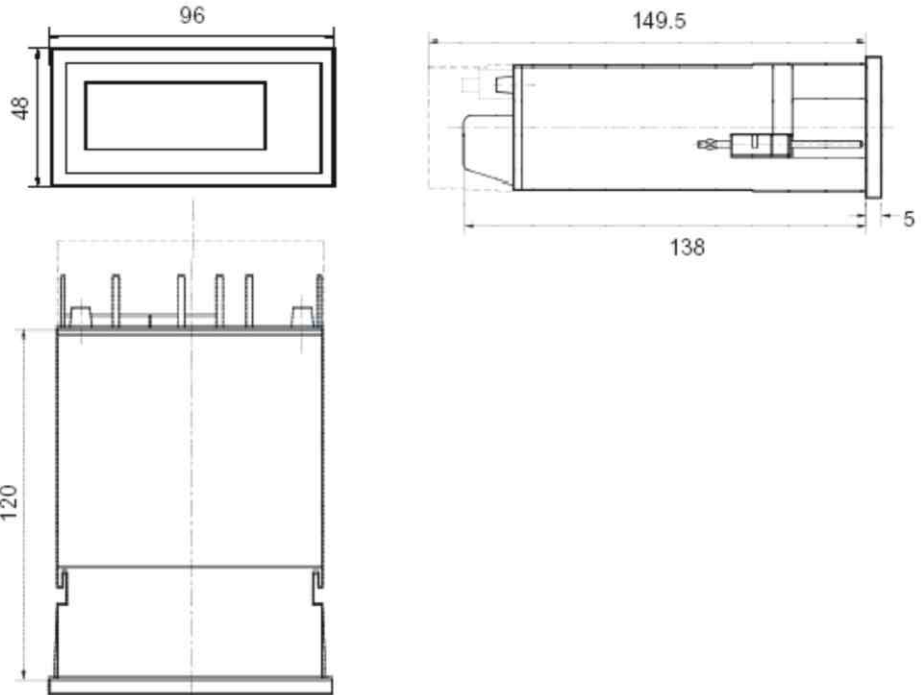
<b>Dimensions &amp; Weight</b>	Bezel size	96 mm x 48 mm DIN 43 718
	Panel cut-out	92 + 0.8 mm x 43.5 + 0.6 mm
	Overall depth	138 mm
	Weight	500 g. approx

<b>Sundry</b>	Connections	Plug-in screw terminal blocks
---------------	-------------	-------------------------------

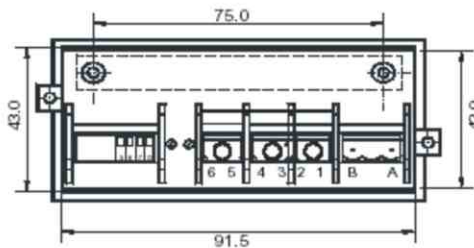
## Order Details :

	Example	Example
Type	RISH DPM 48x96 ACA	RISH DPM 48x96 DCA
Measuring input	0...20 A AC	0...20 A DC
Input frequency	50Hz	---
Display	0...19.99 A	0...19.99 A
Display caption	A	A
Supply voltage	230 V AC	230 V AC

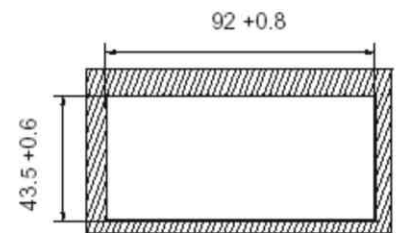
## Design and installation



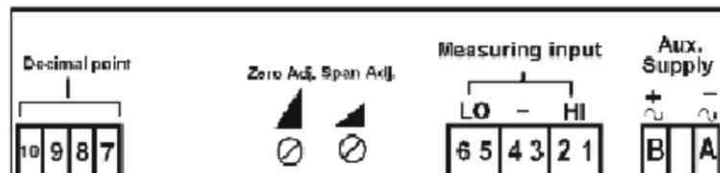
### Mounting position



### Installation cut-out



### Connections



**RISHABH**  
INSTRUMENTS  
Measure, Control & Record with a Difference

RISHABH INSTRUMENTS PVT.LTD.  
F-31, MIDC, Satpur, Nashik-422 007, India.  
Tel.: +91 253 2202028, 2202202 Fax : +91 253 2351064  
E-mail : India :- marketing@rishabh.co.in  
International :- exp.marketing@rishabh.co.in  
www.rishabh.co.in