

RISH DPM 396 A / V



Description

RISH DPM 396 A/V :

396A	3PH. Current measurement (AC)
396V	3PH Voltage measurement (AC)

8 ranges for power supply are available.

Features:

- Available in Size 96mm x 96mm.
- 3PH. AC Voltage ranges and Current ranges.
- On site Programmable CT/ PT ratio.
- Built in selector switch to Display:
396A: Line Currents,
396V: Line to neutral Voltages (R, Y, B)
and Line to Line Voltages (RY, YB, BR).
- Available in 3PH. 3 WIRE and 3PH. 4 WIRE Versions.
- 3 ½ digit ultra bright Display.
- User defined caption
- Auxillary Power Supply :
DC – 5 V (+ 10 % . -10 %)
12 V (+ 10 % . -10 %)
24 V (21...30V)
48 V (+ 10 % . -10 %)
110 V (+ 10 % . -15 %)
220 V (+ 10 % . -10 %)
AC – 110 V (+ 10% / -15%)
230 V (+ 10% / -15%)

Highly adaptable DPMs suitable for a wide range of measuring applications.

Versions available for 3PH. AC Voltage inputs and Current Inputs.

The chosen input range is user adjustable, from 5% to 100% of the full - scale value, for simple adaptation of the digital readout to the input value

Applications

The digital panel meters *RISH DPM 396 A/V* have been designed for industrial applications, which frequently require precise and on - site adjustment of the display range.

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

Applicable Regulations and Standards

Protection Class Front	IP 20 to IEC EN 60 529 IP 50
Device safety	IEC EN 61 010
EMC immunity	IEC/ EN 61 000-4-1 to 4
EMC radiated interference	IEC/ EN 61326 Class B



RISHABH INSTRUMENTS
Measure, Control & Record with a Difference

RISHABH INSTRUMENTS PVT.LTD.
F-31, MIDC, Satpur, Nashik-422 007, India.
Tel.: +91 253 2202160, 2202202 Fax : +91 253 2351064
E-mail : India :- marketing@rishabh.co.in
International :- exp.marketing@rishabh.co.in
www.rishabh.co.in

RISH DPM 396 A / V

Specifications

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

Measuring ranges:

Model	396A
System	3PH. 3 WIRE or 3PH. 4 WIRE
Input Current Ranges (Voltage Drop < 600 mV per phase)	0...1A [45 65 Hz] or 0...1A [400 Hz] or 0...5A [45 65 Hz] or 0...5A [400 Hz]
Model	396V
System	3PH. 3 WIRE or 3PH. 4 WIRE
Voltage Ranges Available (Input current < 600 A per Phase)	0...110 V L-L [45 65 Hz] or 0...110 V L-L [400 Hz] or 0...240 V L-L [45 65 Hz] or 0...240 V L-L [400 Hz] or 0...415 V L-L [45 65 Hz] or 0...415 V L-L [400 Hz]

Accuracy :

Versions 396 A / V:	Measuring Accuracy Current (Voltage drop < 600 mV per Phase)	< 0.5% + 1 digit.
	Measuring Accuracy Voltage (Input current < 600 μ A per Phase)	< 0.5% + 1 digit.
	Temperature coefficient	300 ppm/ $^{\circ}$ C, plus.
	Zero point drift	200 ppm/ $^{\circ}$ C.
	Range adjustment span	from 5% to 100% of range.

Power supply	Direct voltage DC	: *5 V (+/- 10 %)	max. 5.5 W (isolated)
		: *12 V (+/- 10 %)	max. 5.5 W (isolated)
		: 24V (21...30V)	max 5.5 W (isolated)
		: *48 V (+/- 10 %)	max. 5.5 W (isolated)
		: *110 V (+ 10 % -15 %)	max. 5.5 W (isolated)
		: *220 V (+ 10 % -10 %)	max. 5.5 W (isolated)
		(* - Not Available in 396 V, 3PH. 4Wire)	
	Alternating voltage AC	: 110V (+ 10% / -15%)	5.5W approx. (isolated).
		: 230V (+ 10% / -15%)	5.5W approx. (isolated).
	Frequency	: 47 – 60 Hz.	

*For DC voltage version isolation is 1 KV, for AC voltage version isolation is 2 KV



RISHABH
INSTRUMENTS
Measure, Control & Record with a Difference

RISHABH INSTRUMENTS PVT.LTD.
F-31, MIDC, Satpur, Nashik-422 007, India.
Tel.: +91 253 2202160, 2202202 Fax : +91 253 2351064
E-mail : India :- marketing@rishabh.co.in
International :- exp.marketing@rishabh.co.in
www.rishabh.co.in

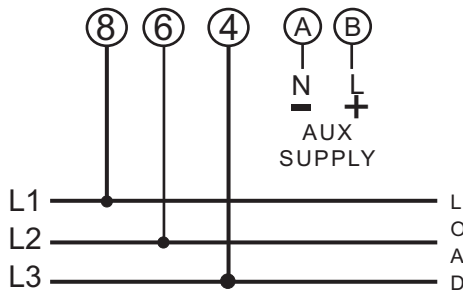
RISH DPM 396 A / V

Ambient conditions	Operating temperature	: 0 ... 55 °C.
	Storage temperature	: - 25 ... 70 °C.
Dimensions and Weights	Bezel size	: 96 mm x 96 mm DIN 43 700
	Panel cut-out	: 92 + 0.8 mm x 92 + 0.8 mm
	Overall depth	: 55 mm.
	Weight	: 500 gm. Approx.
	Connections	: Plug-in screw terminal blocks.
Sundry	Connections	: Plug-in screw terminal blocks.

Connections Diagram

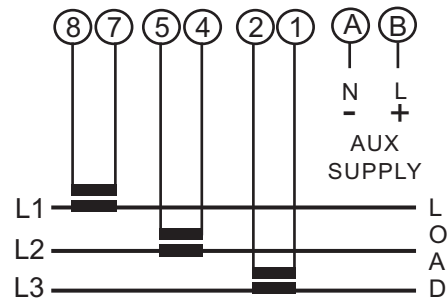
CONNECTION FOR 3PH. 3 WIRE DPM 396V

Connections for 3PH.4W ACV,
415VL-L, Aux. 230V 50Hz.



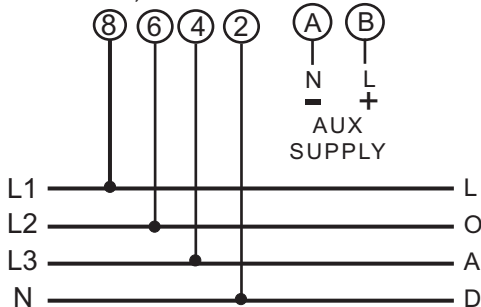
CONNECTION FOR 3PH 3 wire/ 4 wire DPM 396A

CONNECTION FOR 3PH 3 wire/ 4 wire DPM 396A



CONNECTION FOR 3PH. 4 WIRE DPM 396V

Connections for 3PH.4W ACV,
415VL-L, Aux. 230V 50Hz.



Decimal Point Selection

Decimal point position on Display	Short Link Position
	XXXX
	X.XXX
	XX.XX
	XXX.X

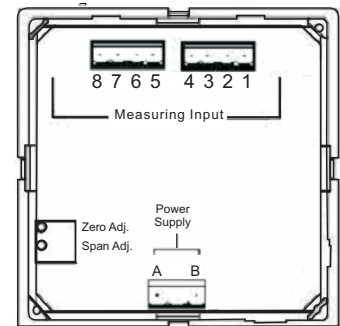
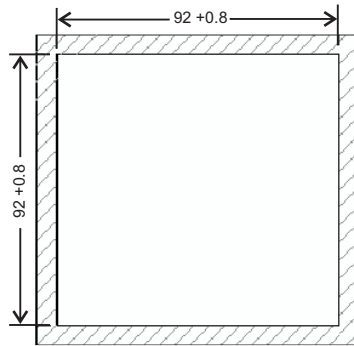
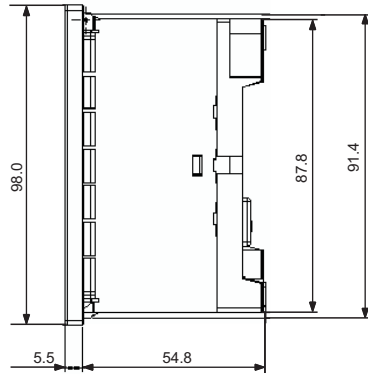
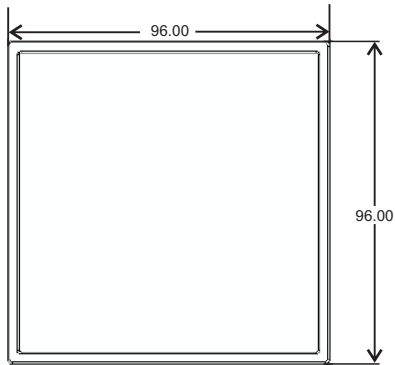


RISHABH INSTRUMENTS
Measure, Control & Record with a Difference

RISHABH INSTRUMENTS PVT.LTD.
F-31, MIDC, Satpur, Nashik-422 007, India.
Tel.: +91 253 2202160, 2202202 Fax : +91 253 2351064
E-mail : India :- marketing@rishabh.co.in
International :- exp.marketing@rishabh.co.in
www.rishabh.co.in

RISH DPM 396 A / V

Design & Installation



Ordering Informations

Order Details	Example 1	Example 2
Type :	RISH DPM 396V	RISH DPM 396A
System Type :	3PH. 4WIRE	3PH. 3 WIRE
Measuring Input :	0 ... 415 VL-L	0....1 A
Input Frequency :	50Hz	55 Hz
Display Full-Scale :	0 ... 500	0.....100
Display caption :	V	A
Aux. Supply :	230 V AC, 50 Hz.	230 V AC, 50 Hz



Rishabh Instruments

RISHABH
INSTRUMENTS
Measure, Control & Record with a Difference

RISHABH INSTRUMENTS PVT.LTD.
F-31, MIDC, Satpur, Nashik-422 007, India.
Tel.: +91 253 2202160, 2202202 Fax : +91 253 2351064
E-mail : India :- marketing@rishabh.co.in
International :- exp.marketing@rishabh.co.in
www.rishabh.co.in