

ZIEGLER DPM 48/96 ACI/ACV

Features:

- AC Voltage or Current ranges
- Scaling adjustable over a wide range (5 % - 100 %) of full scale i.e. 100 counts – 1999 counts

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

Versions available for current or voltage inputs AC.

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.

For example, the AC version can be scaled for standard 5 A secondary current transformers.

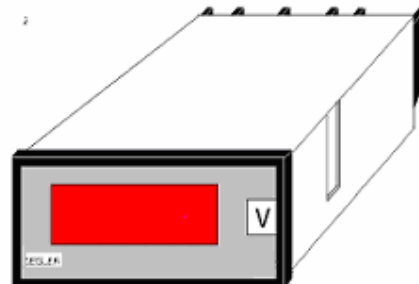
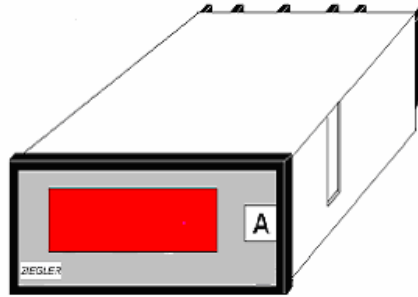
96 mm x 48 mm DIN-standard housings.

Applications

The digital panel meters **ZIEGLER** 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.



Description

ZIEGLER DPM 48/96:

ACV	Voltage measurement (AC)
ACI	Current measurement (AC)

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	to IEC EN 61 010
EMC immunity	DIN EN 61 000-4-1 to 4
EMC radiated interference	DIN EN 50 081 Class B

ZIEGLER INSTRUMENTS

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Specifications :

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 :

Version	ACI / ACV
Voltage (Input current < 600 µA)	0...500 V [45 --- 65 Hz] or
Current (Voltage drop < 200 mV)	0...1 A [45 --- 65 Hz] or 0...5 A [45 --- 65 Hz]
Decimal Point selection by	Short links on the rear side

Accuracy :

Versions ACI / ACV :	Measuring Accuracy voltage (Input current < 600 µA)	< 0.5% + 1 digit
	Measuring Accuracy current (Voltage drop < 200 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

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Power supply	Direct voltage DC	24V (21...30V)	5.5W approx. (isolated)
	Alternating voltage AC	115V + 10% -15% 230V + 10% -15%	5.5W approx (isolated) 5.5W approx (isolated)
Ambient conditions	Operating temperature	0 ... 50 °C	
	Storage temperature	- 40 ... 80 °C	
Dimensions and weights	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	
Sundry	Connections	Plug-in screw terminal blocks	

Design & Installation

Order Details

	Example	Example
Type :	ZIEGLER DPM 48/96 ACV	ZIEGLER DPM 48/96 ACI
Measuring input :	0 ... 500 V	0 ... 1 A
Input frequency :	50Hz	60Hz
Display :	0 ... 500	0 ... 1000
Display caption :	V	A
Options :		
Supply voltage :	230 V AC	24 V DC

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