

ZIEGLER DPM 24/96 S

Digital Panel Meter

Features :

- Factory pre-set with many measuring ranges
- Measuring ranges selectable using jumpers
- Zero point and final value adjustable (inc. 4... 20 mA)
- 230 V AC power supply option
- Overall depth only 72 mm

Low-profile digital display units in a 96mm x 24mm DIN-standard housing with small overall depth.

The choice of many factory pre-set measuring ranges is included, with user adjustments available for the zero and full-scale values.

This enables these DPMs to be stocked by the customer for simple configuration and rapid installation when required.

Although the housing is only 24mm high, the choice of power supplies includes 230 V AC mains.

Applications

The digital panel meter *ZIEGLER DPM 24 x 96 S* has 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

The *ZIEGLER DPM 24 x 96 S* are digital panel instruments for measurement of current DC and voltage DC with 9 measuring ranges.

3 ranges for power supply are available.

The measuring ranges and zero point, selectable using jumpers at the back. The choice of many factory pre-set measuring ranges is included, with user adjustments available for the zero and full-scale values.

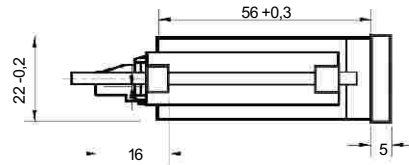
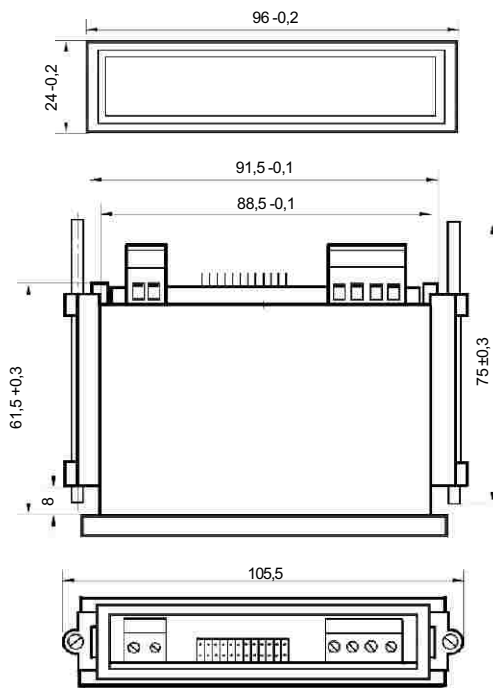
Applicable Regulations and Standards

Protection class front	IP 20 to IEC EN 60 529 IP 54 (IP 65 on request)
Climatic class	Class 2 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

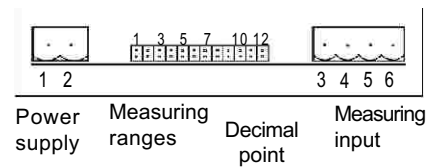
ZIEGLER DPM 24/96 S

Digital Panel Meter

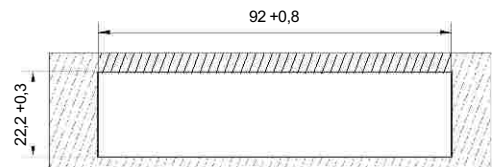
Design and installation



Connections



Panel cut-out



Order Details

Example

Type : ZIEGLER DPM 24/96S
Measuring input: 0... 20 mA
Display : 0... 0230
Display caption : V
Options :
Supply Voltage : 24 V DC

ZIEGLER DPM 24/96 S

Digital Panel Meter

Specifications

Display	Display range	1999		
	Decimal point position	selectable by rear jumper position		
	Negative display indication	"-"		
	Digit height	14 mm / 7-segment digits		
	Overload indication	Last 3 digits blank		
	Setting time	< 1s (0...99%)		
	Measuring ranges	Direct voltage	0 ... 0.2 V	
(Input current < 300 μ A)		0 ... 1 V		
		0 ... 5 V		
		0 ... 25 V		
		0 ... 100 V		
		0 ... 300 V		
		Direct current	0 ... 1 mA	
		(Voltage drop < 600 mV)	0 ... 20 mA	
			0 ... 200 mA	
		Range adjustment span	from 20% to 100% of range	
Options	Zero offset [suppression]	up to -1000		
	Accuracy	< 0.2 % + 1 digit		
	Temperature coefficient	100 ppm/ $^{\circ}$ C, plus		
	Zero point drift	100 ppm/ $^{\circ}$ C		
	Brightness adjustment			
	Zero point adjustment			
	HOLD input			
Digital input	HOLD [option]	"0"		
Power supply	Direct voltage DC	5V \pm 5%	0.6 W not isolated	
	Common mode voltage	-0.5V ... 1.5V max.		
	Alternating voltage AC	21 ... 30 V \pm 15%	4 W approx.	
		230V + 10% -15%	1.3 W approx.	
Ambient conditions	Operating temperature	0 ... 50 $^{\circ}$ C		
	Storage temperature	-40 ... 80 $^{\circ}$ C		
Dimensions and Weights	Bezel size	96mm x 24 mm DIN 43 718		
	Panel cut-out	92 +0.8 mm x 22.2 + 0.3 mm		
	Overall depth	72 mm		
	Weight	210 g. Approx. [5V DC version 90 g]		
Sundry	Connections	plug-in screw terminal block		

ZIEGLER DPM 24/96 S

Digital Panel Meter

ZIEGLER INSTRUMENTS

D-92318, Neumarkt, Eberhard-Faber-Str.2,
Nuernberg, Germany.

Tel : 0049 918130483 / 42218

Fax : 0049 918130420

E-mail : info@ziegler-instruments.com

<http://www.ziegler-instruments.com>