



Applications:

The digital panel meter **RISH 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.

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 DINstandard 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.

Description

The **RISH DPM 24 x 96 S** are digital panel instruments for measurement of DC current and DC voltage 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.

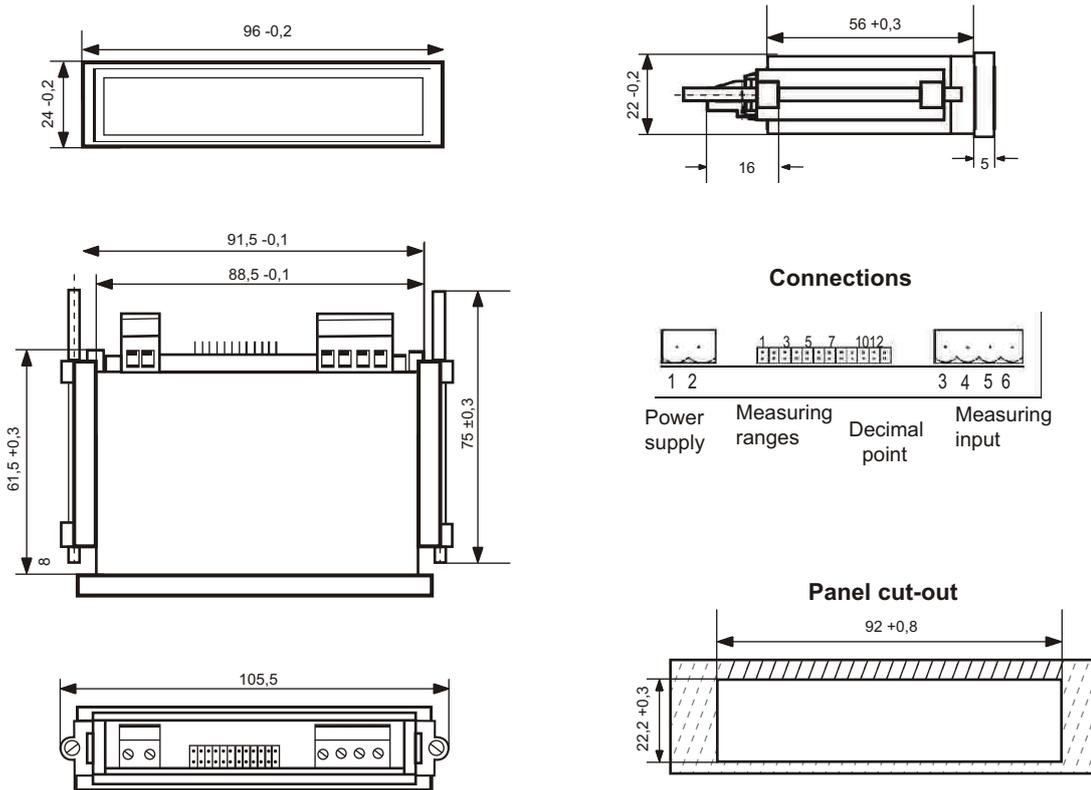
Applicable Regulations and Standards

Protection class	IP 20 to IEC EN 60 529
front	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

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 mA)	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
	Zero offset [suppression]	< 0.2 % + 1 digit
	Accuracy	100 ppm/°C, plus
	Temperature coefficient	100 ppm/°C
	Zero point drift	100 ppm/°C
Options	Brightness adjustment	
	Zero point adjustment	
	HOLD input	
Digital input	HOLD [option]	"0"
Power supply	Direct voltage DC	21 ... 30 V + 15% 4 W approx.
	Alternating voltage AC	230V + 10 % -15 % 1.3 W approx.
Ambient conditions	Operating temperature	0 ... 50°C
	Storage temperature	-40 ... 80°C
Dimensions &	Bezel size	96mm x 24 mm DIN 43 718
Weights	Panel cut-out	92 +0.8 mm x 22.2 +
	Overall depth	0.3 mm 72 mm
	Weight	210 g. Approx. [5V DC version 90 g]
Sundry	Connections	plug-in screw terminal block

Design and installation



Order Details:

Type	Example
Measuring input	RISH DPM 24x96S
Display	0... 20 mA
Display caption	0... 0230
Options	V
Supply Voltage	24 V DC



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