

Digital Panel Meter

DIGEM 96 x 24 S5

Type A1215

The **DIGEM 96 x 24 S5** is a digital panel meter for connection of voltage (range 0.2 V ... 200 V) respectively current (range 2 mA ... 200 mA). There are 4 measuring ranges for voltage measurement and 3 measuring ranges for current measurement. The ranges can be selected by jumpers.

Service:

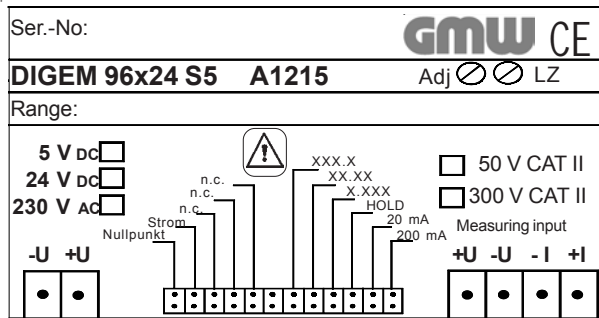
The measuring range can be selected by setting the corresponding jumper on the rear of the instrument. Behind the front cover are potentiometers for full scale value ('adj', the chosen input range is user adjustable from 10 % to 100 %) and for zero adjustment ('LZ'). The brightness potentiometer ('bright') is optionally.

Technical Data

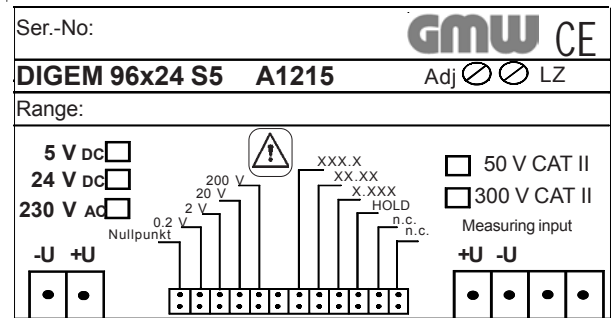
Display	Display range	1999		
	Decimal point position	selectable by rear jumper position		
	Polarity	„-“		
	Character height	14 mm / 7-segment digits		
	Overflow indication	last 3 digits blank		
Measuring ranges	Direct voltage	0 ... 0.2 V		
		0 ... 2 V		
		0 ... 20 V		
		0 ... 200 V		
	Direct current	(Input current < 300 µA)		
		0 ... 2 mA		
Range adjustment span	0 ... 20 mA			
	0 ... 200 mA			
	Accuracy	1 : 10		
	Temperature coefficient	< 0.2 % +1 digit		
Digital input	HOLD	100 ppm / K		
		+100 ppm / K zero point drift		
Power supply	Direct voltage	5 V ±5 % (not isolated)	0.6 W	
		21 ... 30 V	< 0.9 W	
	Alternating voltage	230 V 50/60 Hz +10 % -15 %	< 1.5 VA	
Environmental conditions	Climatic class	Class 2 to VDE / DIN 3540		
	Operating temperature	0 ... 50 °C		
	Storage temperature	-40 °C ... +80 °C		
	Safety class	II to IEC 348 / VDE 0411		
	Protection class	IP 20 to IEC EN 60 529		
	front	IP 54		
	Device safety	corresp. IEC EN 61 010		
EMV-immunity	corresp. DIN EN 61 000-4-1 to 4			
EMV-radited interference	corresp. DIN EN 50 081 class B			
Dimensions and weights	Bezel size	96 mm x 24 mm to DIN 43 718		
	Panel cut-out	92 ^{+0.8} mm x 22.2 ^{+0.3} mm		
	Overall depth	72 mm		
	Weight	approx. 210 g		
Sundry	Connections	plug-in terminal block		
	Options	Brightness adjustment		

Connections

Rating plate current



Rating plate voltage



Measuring input

Voltage input

Current input

Zero

HOLD

Decimal points

Note

Terminals **+U** and **-U**

select voltage range by jumper

Terminals **+I** and **-I**

select current range by jumper

(range 2 mA without jumper)

(connect terminal +I to terminal +U)

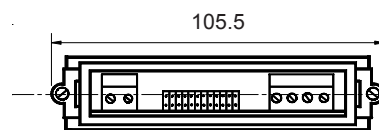
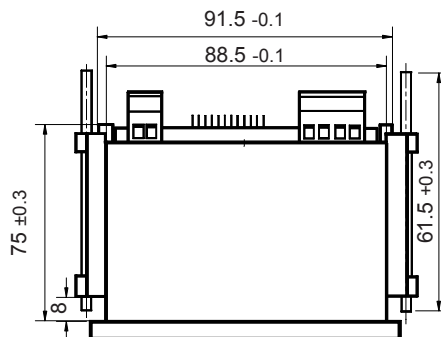
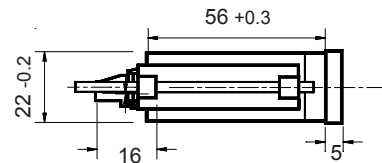
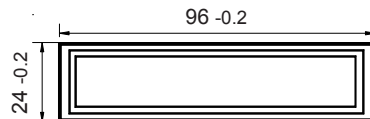
For the zero shift plug into jumper „Nullpunkt“ (zero)

Connect HOLD-contacts by jumper or switch

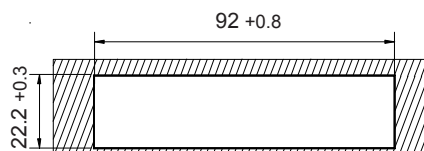
Select jumper position

Unused jumper „parking“ only on the free positions

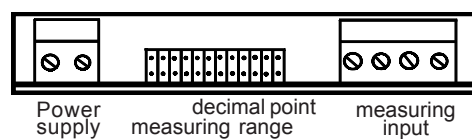
Design and installation



Panel cut-out



Connections



We reserve the right to make alterations!
III/03 Item no: 2786688601/16

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