

Digital panel meter

Type PU5

for active torque transducers



The panel meters PU5 are multi-purpose. The standard panels have an accuracy of 24 Bit, a measuring rate of 50 measurements/sec, a MIN/MAX store, 30 points linearisation and an optical switching point display. The units optional can be fit out with 4 independent scalable switching points, an analogue output and a serial interface. They have 5 digits and are available in the assembly dimension 96x48. Power supply for active torque transducer happens with an external device.

Assembly dimension	Power supply	Order code
96x48	24V DC	PU5.030x.177oCS286
	230V AC	PU5.030x.157oCS286
	115V AC	PU5.030x.147oCS286

Available options:

P U 5 0 3 0 X 1 5 7 0 C S 286

Interface:	
None	0
RS 232	2

Output:	
None	0
0-10V DC/2mA	1
0-20mA/burden 500Ω	2
4-20mA/burden 500Ω	3

Switching points:	
None	0
2 Relay outputs	2
4 Relay outputs	4

Mechanical dimensions:

Housing (B x H x T)	96 x 48 x 148
Panel recess (B x H)	92,0 ^{+0,8} x 45,0 ^{+0,6}

Technical data:

Protection:	Front:	IP65
	Connection:	IP00
Connection:	Rear:	via plug-in-terminals up to 2,5mm ²
Measuring input:	DC voltage:	0 bis ±10V
	Input resistance:	Ri= ~150kΩ
Accuracy:	Measuring fault:	±0,01% of full scale, ±1 Digit
	Temp. drift:	~50ppm/K
Output:	Relay output:	230V AC/5A – 30V DC/2A Separation appropriate to DIN EN50178/ Specification appropriate to DIN EN60255
	Analogue output:	0-10VDC 0-20mA burden max. 500Ω 4-20mA burden max. 500Ω
Indication:	Display:	LED with 7 segments, 14mm high
	Overflow:	indication of 4 transversal bars
Interface:	RS232:	9600 Baud, no Parity, 8 Data bit, no Stop bit
Ambient conditions	Working temperature:	0 bis +60°C
	Storing temperature	-20 bis +80°C
Power supply:	Voltage:	230/115VAC +/- 10% (50-60Hz) 24VDC +/-10% (indirect coupled)
	Power:	max. 5VA