



The process monitor is a 5-digit intrinsically safe display unit. It can be used to show electricity flowing out of a 4 mA to 20 mA field circuit into technical units. No additional voltage supply or battery is needed for operation.

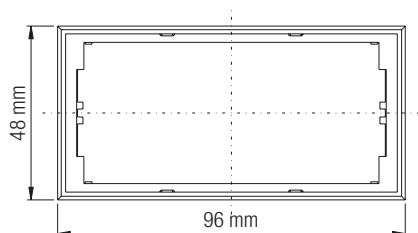
Explosion protection

Marking ATEX	Ex II 2(1)G Ex ib [ia Ga] IIC T5 Gb
Certification	IBEXU 09 ATEX 1095 X
Other approvals and certificates, see www.bartec.de	
Ambient temperature	$-20\text{ }^{\circ}\text{C} \leq T_a \leq +60\text{ }^{\circ}\text{C}$
Safety related data	$U_i \leq \text{DC } 30\text{ V}$ $I_i \leq 100\text{ mA}$ $L_i \leq \text{insignificant}$ $C_i \leq 12\text{ nF}$

Technical data

Structure	front-panel fitting
Enclosure material	high-quality thermoplastics
Protection class	front installation IP 40 terminals IP 20
Displays	Type height 13 mm
Connecting terminals	2.5 mm ² , fine-stranded
Storage temperature	-40 °C to +80 °C
Dimensions (W x H x D)	96 mm x 48 mm x 82 mm
Wall cut-out	91 mm x 44 mm + 0.5 mm
Weight	120 g

Dimensions/mounting positions

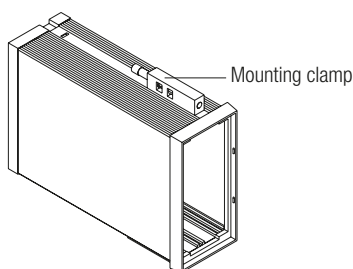


Depth: 82 mm

Electrical data

Measuring range	4 to 20 mA
Measured variable	Current
Error of indicator	< 0.1 % of the display range
Temperature drift	< 0.01 %/K

Mounting



Input mode unit

Parameter	Unit	Parameter	Unit
0	°C	13	t
1	A	14	ph
2	mA	15	ppm
3	V	16	rpm
4	mV	17	mbar
5	n	18	bar
6	mm	19	kPa
7	cm	20	1/min
8	m	21	µS/cm
9	km	22	mS/cm
10	m ³	23	m ³ /h
11	%	24	Nm ³ /h
12	kg		

Ordering information

Process Monitor PM 420^{ex} **17-71MM-1002**

Technical data subject to change without notice.