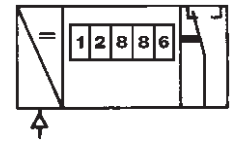


<b>Description</b>	Digital, programmable display for dual range input 0-10V DC or 0/4-20 mA with 24V DC transmitter power. Max. and min. reading memory, 16-point scale for non-linear processes. Programmable function keys / user inputs. Four setpoint alarm outlets. Analogue outlet and interface and bus capabilities.
<b>Programming</b>	by keys on the display or by serial interface RS232 or RS485 plug-in card with cable for PC as option.
<b>Setpoint alarm card</b>	dual relay, NC / NO, 5A or quad relay, 3A at 24V DC
<b>Input signal</b>	0 to 10V DC (-1 to 13V), 500 k Ω 0/4 to 20 mA (-2 to 26mA), 20 Ω
<b>Power</b>	220V AC (85 to 250V AC) 50/60 Hz, 15 VA 24V DC (11 to 3V DC) 11 W
<b>Analogue plug-in card</b>	0 / 4 to 20 mA or 0 to 10V
<b>Sensor supply</b>	24V DC, max 50 mA
<b>Display</b>	5-digit, 14 mm, red LED, -19999 to 99999
<b>Certification</b>	CE-certified, UL-authorized for US & Canada
<b>Construction</b>	Unit is rated for NEMA 4x/IP65 indoor use. IP 20 touch-safe. Flame-resistant. Synthetic rubber keypad.
<b>Transistor outlet</b>	NPN: 100 mA at 0.7V, max.30V, 200ms PNP: 24V DC, 30 mA total for all 4 outlets
<b>Totalizer</b>	time base: sec., min., hour, day scale factor: 0.001 to 65 000 etc.
<b>Connections</b>	cage-clamp terminal block wire strip length 9 mm 20 readings / sec.
<b>Update rates</b>	0.03% or reading after 20 min. warm-up
<b>Accuracy</b>	200 ms, max. 99% of final readout
<b>Response time</b>	16-bit resolution, spread of 65.535
<b>A / D converter</b>	0 to 50°C operat., -40°C to 60°C storage
<b>Temperat. range</b>	



signal 0-10V / 0/4-20 mA display -99999 + 99999

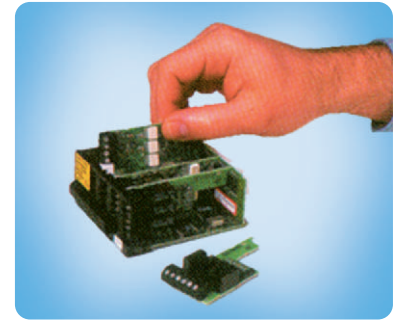
Dimensions			Supply voltage	Input signal	Order number
height	width	depth	voltage	signal	number
mm	mm	mm	V	mA / V	

Process meter	update rates, ideal in combination with transducer	with 5-digit display	MPAX
50	230V AC	0/4 ... 20 mA	MPAX - A0
		0 ... 10V	MPAX - V0
50	24V DC	0/4 ... 20 mA	MPAX - A4
		0 ... 10V	MPAX - V4

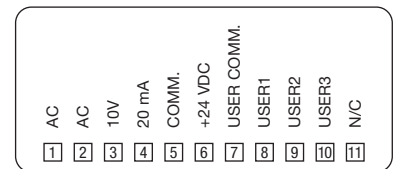


MPAX - A0PR e.g 0 to 10V scaled to 0 - 600.00 m³/h

Special options	add the appropriate letter or number	Accessories
programming*1	factory-set to e.g. 4-20 mA / 2-10 bar (l, m)	PR MPAX - . . PR
serial interface	RS232: 32 RS485	85 MPAX - . . 85
relay card*2	2 relays (W): 2W 4 relays (S)	4S MPAX - . . 4S
open collector*2	4 x NPN: 4N 4 x PNP	4P MPAX - . . 4P
analogue outlet	0 / 4 ... 20 mA or 0 ... 10V, freely selectable	AA MPAX - . . AA
bus interface	Profibus dp	DP MPAX - . . DP
unit labelling kit	labels with symbols and dimensions	BK MPAX - BK
PC software	for windows	X1 MPAX - X1
starter kit	software, RS232 serial interface with cable	EM MPAX - EM



plug-in card



MPAX terminals

level indicator	force indicator	thickness indicator	flow indicator	test pressure indicator	dive-depth indicator
1 bar = 10V = 10.21 m 10.21 m = 20000 l H <sub>2</sub> O	20 bar = 10V 10V = 2000.0 kPa	50 bar = 10V 10V = 4.0000 mm	2.5 bar = 10V 10V = 5000.0 l/min	5000 mbar = 10V 10V = 400.00 mbar	980 bar = 10V 10V = 9999.9 m
front view	side view	cutout			

\*1 Range, display values, dimensions, if necessary limiting value, resolution, total count etc.  
\*2 Only one of these options can be realised

<b>For your information:</b>	1 bar: 14.5 psi	1 l/min: 0.035 scfm	1 mm: 0.039 inch	1 mbar: 0.4 inch H <sub>2</sub> O	1 mbar: 0.01 m H <sub>2</sub> O
	1 psi: 0.069 bar	1 scfm: 28.3 l/min	1 inch: 25.4 mm	1 inch H <sub>2</sub> O: 2.5 mbar	1 m H <sub>2</sub> O: 98 mbar

Order example: MPAX-A0