

BioPro™ FlowMCP Series



FEATURES & BENEFITS

- ✓ Flow meter for up to four flow channels
- ✓ Available with digital and analog interface depending on variant
- ✓ Compact, space-saving design with DINrail mounting
- ✓ Seamless integration into existing systems

TECHNICAL SPECIFICATION

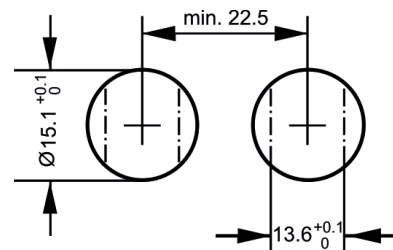
SUPPLY VOLTAGE	FLOWMCP 1	FLOWMCP 2	FLOWMCP 4	FLOWMCP 1-A	FLOWMCP 2-A
FLOW CHANNELS	1	2	4	1	2
WEIGHT [G]	200	200	240	240	320
SIZE (H x W x D)	99 x 45 x 115	99 x 45 x 115	99 x 90 x 115	99 x 45 x 115	99 x 68 x 115
DIGITAL INTERFACE	Modbus TCP (RJ-45)	Modbus TCP (RJ-45)	Modbus TCP (RJ-45)	Modbus TCP (RJ-45)	Modbus TCP (RJ-45)
ANALOG INTERFACE (ADJUSTABLE)				(0) 4 - 20 mA	(0) 4 - 20 mA
HOUSING MATERIAL	Polyamide				
IP CODE	IP20				
SUPPLY VOLTAGE	24 V DC (±10 %); max. 2 A via external supply				
POWER CONSUMPTION	Typically 3 Watt, max. 8 Watt — max. 9 Watt for the BioPro™ FlowMCP 4				
DINRAIL MOUNTING TYPE	Standard TS35 DINrail according to EN60715, 35 mm x 7.5 mm				

SENSOR EXTENSION CABLE

With IP67 at panel in mated condition; with D-Sub (MCP) and round (sensor) connector to allow sensor connection from outside the control cabinet.

The cables are available with a length of 0.25 m, 1.1 m, and 2.65 m and are not part of the scope of supply.

To connect the cables, your control cabinet must feature a panel cut-out as shown on the right.



TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	FLOWMCP 1	FLOWMCP 2	FLOWMCP 4	FLOWMCP 1-A	FLOWMCP 2-A
EXPECTED PRODUCT LIFE	5 years				
ON-SITE ADJUSTMENT OF CALIBRATION	Option to set an individual calibration factor for each channel				

COMPATIBLE SENSOR

The BioPro™ FlowMCP Series is fully compatible with our BioPro™ Clamp-On SL range. For more information regarding the maximum flow measurement range and accuracy, please see the datasheet of the BioPro™ Clamp-On SL.

AMBIENT CONDITIONS DURING TRANSPORT, STORAGE, AND OPERATION

TRANSPORT AND STORAGE

ATMOSPHERIC PRESSURE	70 kPa to 106 kPa
TEMPERATURE RANGE TRANSPORT	-20 °C to 55 °C (-4 °F to 131 °F)
TEMPERATURE RANGE STORAGE	-20 °C to 45 °C (-4 °F to 113 °F)
RELATIVE HUMIDITY	10 % to 96 % (non-condensing)

OPERATION

ATMOSPHERIC PRESSURE	70 kPa to 106 kPa
OPERATING ALTITUDE	Up to 3000 m (9842 feet)
TEMPERATURE RANGE	10 °C to 40 °C (50 °F to 104 °F)
RELATIVE HUMIDITY	10 % to 96 % (non-condensing)

DESIGN FOR LIFE



WARNING: The customer is solely responsible for determining the necessary or most suitable product or service for any particular use case or application. All such risks are assumed by the customer. Specifications subject to change without notice.
WARRANTY: For product warranty information, please contact: info@cpc-bio.com or +1 800-519-7633.
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