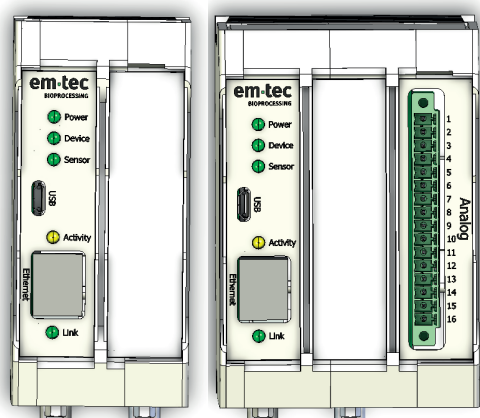
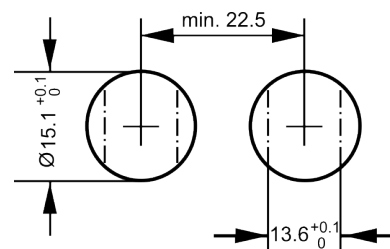




- flow meter for up to four flow channels
- available with digital and analog interface depending on variant
- compact, space-saving design with DINrail mounting
- seamless integration into existing systems

Technical Specification

BioProTT™ Variant	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 (HxWxD)[mm]	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 BioProTT™ 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.				
Expected Product Life	5 years				
On-Site Adjustment of Calibration	option to set an individual calibration factor for each channel				



Compatible Sensor

The BioProTT™ FlowMCP Series is fully compatible with our BioProTT™ Clamp-On SL range.

For more information regarding the maximum flow measurement range and accuracy, please see the [datasheet of the BioProTT™ 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 3 000 m (9 842 feet)
Temperature Range	10 °C to 40 °C (50 °F to 104 °F)
Relative Humidity	10 % to 96 % (non-condensing)

em-tec

em-tec GmbH
Lerchenberg 20
86923 Finning, Germany
P: +49 8806 9236 0
F: +49 8806 9236 50
E: em-tec-info@psgdover.com
em-tec.de