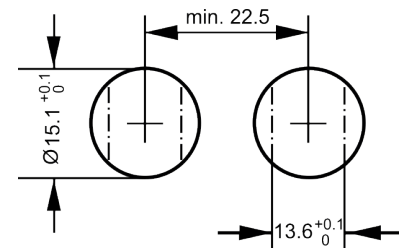


- flow meter for up to four flow channels
- available with digital and analog interface depending on variant
- compact, space-saving design with DINrail mounting
- seamless integration into existing systems

## Technical Specification

BioProTT™ Variant	FlowMCP 1	FlowMCP 2	FlowMCP 4	FlowMCP 1-a	FlowMCP 2-a
<b>Flow Channels</b>	1	2	4	1	2
<b>Weight [g]</b>	200	200	240	240	320
<b>Size (HxWxD)[mm]</b>	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
<b>Digital Interface</b>	Modbus TCP (RJ-45)	Modbus TCP (RJ-45)	Modbus TCP (RJ-45)	Modbus TCP (RJ-45)	Modbus TCP (RJ-45)
<b>Analog Interface (adjustable)</b>				(0) 4 - 20 mA	(0) 4 - 20 mA
<b>Housing Material</b>	polyamide				
<b>IP Code</b>	IP20				
<b>Supply Voltage</b>	24 V DC (±10 %); max. 2 A via external supply				
<b>Power Consumption</b>	typically 3 Watt, max. 8 Watt — max. 9 Watt for the BioProTT™ FlowMCP 4				
<b>DINrail Mounting Type</b>	standard TS35 DINrail according to EN60715, 35 mm x 7.5 mm				
<b>Sensor Extension Cable</b>	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.				
<b>Expected Product Life</b>	5 years				
<b>On-Site Adjustment of Calibration</b>	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

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### 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](mailto:em-tec-info@psgdover.com)  
[em-tec.de](http://em-tec.de)