



- Transit-time ultrasonic flow meter
- Compact space saving design
- DIN Rail mounting
- Simultaneous measurement of 1-4 flow channels

## BioProTT™ Flow MCP Variants

	ID 13029	ID 13031	ID 13033
<b>Flow Channels</b>	1	2	4
<b>Weight</b>	200 g	240 g	320 g
<b>Size [mm] (H x W x D)</b>	99 x 45 x 114.5	99 x 45 x 114.5	99 x 90 x 114.5
<b>Modbus TCP (RJ-45 connector)</b>	✓	✓	✓

## Technical Specification

<b>Housing material</b>	Polyamide
<b>IP-Code IP</b>	20
<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 at MCP4
<b>DIN Rail mounting type</b>	Standard TS35 DIN Rail according to EN 60715, 35 mm x 7.5 mm
<b>Flow sensor extension cables</b>	1.1 m, IP 50 at panel; w/ D-Sub (flow meter) and round (sensor) connector to allow sensor connection from outside control cabinet
<b>On-site calibration adjustment</b>	With user adaptable calibration factor (per flow channel)

## Interfaces

<b>Interface types</b>	RJ-45
<b>Protocol</b>	Modbus TCP V1.1b3

## Compatible Transducer

<b>Full range of BioProTT™ Clamp-On Transducers</b>	For maximum flow measurement range, accuracy and resolution, please see BioProTT™ Clamp-On Transducer datasheet
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## Ambient Conditions

<b>Air pressure</b>	70 to 106 kPa
<b>Operating temperature range</b>	10 to 40 °C (50 to 104 °F)
<b>Storage temperature range</b>	-20 to 45 °C (-4 to 113 °F)
<b>Transport temperature range</b>	-20 to 55 °C (-4 to 131 °F)
<b>Humidity storage, transport and operation</b>	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