BioProTT™ FlowMCP Platform (up to 4 channels)

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- Transit time ultrasonic flow meter
- Simultaneous measurement of multiple flow channels
- Switch between digital and analog output depending on variant
- Compact space saving design with DIN Rail mounting

Technical Specification

BioProTT™ Variants	FlowMCP 1	FlowMCP 1-a	FlowMCP 2	FlowMCP 2-a	FlowMCP 4
Flow Channels	1	1	2	2	4
Weight	200 g	200 g	240 g	240 g	320 g
Size (HxWxD)	99 x 45 x 115 mm	99 x 45 x 115 mm	99 x 45 x 115 mm	99 x 68 x 115 mm	99 x 90 x 115 mm
Digital Interface	Modbus TCP (RJ-45)	Modbus TCP (RJ-45)	Modbus TCP (RJ-45)	Modbus TCP (RJ-45)	Modbus TCP (RJ-45)
Analog Interface		(0) 4-20mA		(0) 4-20mA	
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 at MCP4				
DIN Rail mounting type	Standard TS35 DIN Rail according to EN 60715, 35 mm x 7.5 mm				
Flow sensor extension cables	1.1 m, IP 50 at panel; w/ D-Sub (flow meter) and round (sensor) connector to allow sensor connection from outside control cabinet				
On-site calibration adjustment	With user adaptable calibration factor (per flow channel)				

Compatible Transducer

Full range of BioProTT™ Clamp-On Transducers	For maximum flow measurement range, accuracy and resolution, please see BioProTT™ Clamp-On Transducer datasheet

Ambient Conditions

Air pressure	70 to 106 kPa
Operating temperature range	10 to 40 °C (50 to 104 °F)
Storage temperature range	-20 to 45 °C (-4 to 113 °F)
Transport temperature range	-20 to 55 °C (-4 to 131 °F)
Humidity storage, transport and operation	10 to 96 % (non-condensing)

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