





BioProTT™ FlowMCP (1-4 Channels, DINrail)

	BioProTT™ FlowMCP 1311	BioProTT™ FlowMCP	BioProTT™ FlowMCP 2311	BioProTT™ FlowMCP	BioProTT™ FlowMCP 4311
					
Flow Channels	1	1	2	2	4
Weight	200 g	210 g	240 g	260 g	320 g
Size [mm] (H x W x D)	99 x 45 x 114,5		99 x 45 x 114,5		99 x 90 x 114,5
Modbus TCP (RJ-45 connector)	x	x	x	x	x
Modbus RS-485 (9-Pol D-Sub connector)		in progress		in progress	
Analogue 4-20 mA (Terminal block, 16-Pol, 3.5mm)		in progress		in progress	

01 Technical Specification

Housing material	Polyamide UL 94 V0
IP-Code	IP 20
Supply voltage	24 V DC (± 10 %) max 2 A via external supply
Power consumption	Typically 3 W, max. 8 W
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)
Zeroing	Digital interface and remote zero pulse (available on device w/ analog interface)

02 Compatible Flow Sensors

Full range of BioProTT™ Clamp-On Transducers	For maximum flow measurement range, accuracy and resolution see BioProTT™ Clamp-On Transducer datasheet
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03 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)