BioProTT™ FlowMCP Platform
(up to 4 channels)

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BIOPROCESSING

- 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
Flow Channels	1	2	4
Weight	200 g	240 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)	✓	✓	✓

Technical Specification

Housing material	Polyamide
IP-Code IP	20
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)

Interfaces

Interface types	RJ-45
Protocol	Modbus TCP V1.1b3

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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Where Innovation Flows