

# BioProTT™ FlowMCP-a

UPGRADE TO THE NEXT GENERATION



Where Innovation Flows



## WELCOME TO THE FUTURE OF FLOW MEASUREMENT

Introducing the new em-tec BioProTT™ FlowMCP-a Series.

Incorporating a sleeker design and advanced technical features, the BioProTT™ FlowMCP-a Series provides additional convenience for all your critical bioprocessing flow measurement applications – both upstream and downstream.

Get started today by upgrading your existing device with the next generation of flow measurement products.

## FEATURES AND BENEFITS

- 2-in-1 function: analog 4-20 mA and digital interface for universal use
- Smaller footprint: measurement of up to two channels with one device
- 1:1 replacement of previous device
- Seamless integration into existing systems

## EASY SWITCH FROM ANALOG INTERFACE TO MODBUS TCP

The BioProTT™ FlowMCP-a provides a digital interface with additional readable status and error codes for increased safety in running process by Modbus TCP interface - compared to the BioProTT™ FlowTrack DINrail. The analog interface is also designed to better meet customer requirements with a standard setting where 20 mA equals the sensor's Q<sub>max</sub> for an easier integration. For more flexibility this setting can be adjusted via the web interface.

## MEASURING FUNCTION FOR ONE OR TWO CHANNELS DEPENDING ON DEVICE

Benefit from the new design's smaller footprint for the one and two channel device versus previous BioProTT™ FlowTrack DINrail.

## QUICK & EASY 1:1 INTEGRATION

The BioProTT™ FlowMCP-a can quickly & easily replace the BioProTT™ FlowTrack DINrail and is also easy to integrate into existing systems.

For more details on connection plan and setting needs please refer to [psgdoover.com/em-tec-bioprott-mcp](http://psgdoover.com/em-tec-bioprott-mcp)

## Devices at a Glance



EXISTING SERIES:  
BioProTT™  
FlowTrack DINrail



NEW SERIES:  
BioProTT™  
FlowMCP-a

DINrail Mounting	✓	✓	
Available Flow Channels	1	2	
Interfaces	Analog 4-20 mA Digital RS-232	Analog 4-20 mA Digital Modbus TCP	
Option to Adjust the Analog Interface	X	✓	
Option to Switch from Analog Interface to Modbus TCP	X	✓	
Size (H x W x D)	110 x 65 x 150 mm	1 channel 99 x 45 x 115 mm	2 channels 99 x 68 x 115 mm
Weight	635 g	1 channel 200 g	2 channels 300 g
Zeroing	<ul style="list-style-type: none"> <li>Push and release the zero button on the device</li> <li>Analog interface: by generating a direct voltage pulse using a switch</li> <li>Digital interface: by sending a Z-command (Z&lt;CR&gt;)</li> </ul>	<ul style="list-style-type: none"> <li>Additional option to zero the flow and undo the zero flow by using the web interface; no push button to meet GMP requirements</li> <li>Analog interface: zero the flow by raising the current pulse (e.g. 4 to 20 mA) and undo the zero flow by lowering the current pulse (e.g. 20 mA to 4 mA).</li> <li>Digital interface: zero the flow and undo the zero flow by sending the respective command over Modbus TCP interface.</li> </ul>	

## READY TO ORDER NOW!

Contact your authorized em-tec distributor today to order the new BioProTT™ FlowMCP-a.

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