

Technical Data Sheet

BioControl 1/4/8

Device data	
Dimensions (W x D x H)	520 × 205 x 425 mm
Weight	15 kg
Product variants	BioControl 1 (1 gas connection) BioControl 4 (4 gas connections) BioControl 8 (8 gas connections)

Features	
Gas connections	1, 4 or 8 per gas connection: <ul style="list-style-type: none"> • 1 input for flow (4 – 20 mA) • 1 input for temperature (4 – 20 mA)
Display	7 inch touch screen, 256 colours, 800 × 480 pixels
Ports	<ul style="list-style-type: none"> • 1 × Ethernet (Modbus TCP) • 2 × RS-485 (Modbus RTU) • 2 × RS-232 • 1 × USB, expandable • on BioControl 4 and BioControl 8: 4 × analogue (0/4 – 20 mA) • optional: PROFIBUS
Data memory	USB stick: 2 GB Flash memory, can be expanded to 16 GB

Operating conditions	
Operating temperature	+5 °C – +40 °C
Storage temperature	-10 °C – +50 °C
Humidity	environment: < 85 % r.h., non-condensing gas: See data sheet for the mobile gas measuring device
Pressure at gas inlet	±100 mbar relative (depending on mobile gas measuring device)
Permitted operating environments	in frost-free, sufficiently ventilated space
Non-permitted operating environments	in potentially explosive zones
Operating position	wall mount (hanging)

Power supply	
Operating voltage	24 V DC (max. 2A), no stabilisation required

Data transmission	
Communication	CAN bus between mobile gas measuring device and BioControl

Gas types	
Standard	depending on mobile gas measuring device

Resolution of the gases in the combined measuring device	
CH4	0.1 % vol.
CO2	0.1 % vol.
O2	0.1 % vol.
H2S	2 ppm

Additional data	
Attachment option	loops for wall mounting

Assignment	
System components of	Multitec® BioControl
For use with	Multitec 540 from V 1.202, Multitec 545

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