



BioControl 4/8

Device data

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

Features

Gas connections	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• 4 × analogue (0/4 – 20 mA) optional: <ul style="list-style-type: none">• PROFIBUS
Data memory	USB stick: 32 GB

Operating conditions

Operating temperature	5– 40 °C
Storage temperature	-10 – 50 °C
Humidity	<ul style="list-style-type: none">• 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, 2 A
-------------------	--------------

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

CH ₄	0.1 % vol.
CO ₂	0.1 % vol.
O ₂	0.1 % vol.
H ₂ S	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