

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) |

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

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

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|------------------|--|
| 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 |

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|------------------------|-------------------------|
| Additional data | |
| Attachment option | loops for wall mounting |

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

107517- 14.04.2016 – Subject to technical changes.