







Thermal mass flow meters & controllers for gases with CMOS sensor technology:

Choose the most suitable device for your flow application

| | red-y compact meter | red-y compact regulator | red-y compact switch | red-y compact all-in | red-y smart meter | red-y smart controller |
|------------------------|---|---|--|---|---|---|
| Code | GCM | GCR | GCS | GCA | GSM | GSC |
| |  |  |  |  |  |  |
| Function | Measuring | Measuring, mechanical regulating valve | Measuring, limit switch | Measuring, mechanical regulating valve, limit switch | Measuring | Measuring, automatic control valve |
| Measuring ranges (Air) | up to 450 l/min | up to 450 l/min | up to 450 l/min | up to 450 l/min | up to 450 l/min | up to 450 l/min |
| Max. accuracy | ± 1.0% of full scale | ± 1.0% of full scale | ± 1.0% of full scale | ± 1.0% of full scale | ± 0,3% of full scale and ± 0,5% of reading | ± 0,3% of full scale and ± 0,5% of reading |
| Max. turndown ratio | 1 : 50 | 1 : 50 | 1 : 50 | 1 : 50 | 1 : 100 (higher on request) | 1 : 100 (higher on request) |
| Response time | 500 ms | 500 ms | 500 ms | 500 ms | 50 ms | 50 ms |
| Direct reading display | ● | ● | ● | ● | – | – |
| Manual valve | – | ● | – | ● | ○ | – |
| Autom. control valve | – | – | – | – | – | ● |
| Output signals | – | – | – | – | Analog and digital | Analog and digital |
| Digital communication | – | – | – | – | Modbus RTU, Profibus DP | Modbus RTU, Profibus DP |
| Totalizer | ○ | ○ | ○ | ○ | ● | ● |
| Battery powered | ● | ● | – | – | – | – |
| 24 Vdc supply | ○ | ○ | ● | ● | ● | ● |
| Materials | Aluminium or stainless steel | Aluminium or stainless steel | Aluminium or stainless steel | Aluminium or stainless steel | Aluminium or stainless steel | Aluminium or stainless steel |
| Seals | FKM or EPDM | FKM or EPDM | FKM or EPDM | FKM or EPDM | FKM or EPDM | FKM or EPDM |
| 3-year warranty | ● | ● | ● | ● | ● | ● |

○ optional



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