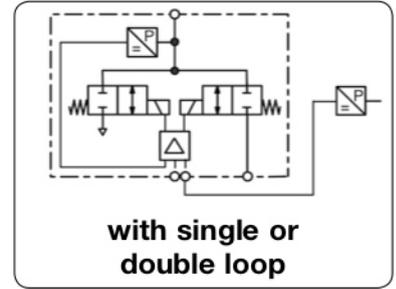


PM1DE - Carte de régulation de pression, à commande proportionnelle, pour intégration dans un système électronique

| | | |
|-------------------------------|--|--|
| Description | Proportional control valve with closed loop control technology for better control of pressurised gases. The instrument can be built as single closed loop or dual closed loop control valve, dry, lubricated or unlubricated and 5 µm filtered compressed air or non-corrosive gases | |
| Media | constant outlet pressure at voltage drop | |
| Fail freeze | 0 ... 10 V, impedance 4.7 kΩ, | ratio of internal to external relationship is 10% to 90% |
| Second loop | 15 ... 24 V DC, residual ripple < 10%, with reverse voltage protection | |
| Supply voltage | 0 ... 10 V / 4.7 kΩ, 4 ... 20 mA / 100 Ω, | jumper selectable command |
| Impedance | 0 ... 10 V at max. 10 mA | |
| Monitor signal | terminal strip for 2.5 mm ² | |
| Electrical connection | 3.6 W regulating, 0.5 W non-regulating | Air consumption without constant bleed |
| Power consumption | < 0.15% FS | Repeatability < 0.02 FS |
| Linearity / Hysteresis | < 1% FS at 0 °C to 50 °C / 32 °F to 122 °F | Adjustment zero point and span |
| Temperature influence | 0 °C to 70 °C / 32 °F to 158 °F | Mounting position any, vibration-resistant |
| Temperature range | Ports: brass | Elastomer: FKM |
| Material | Transducer: aluminium and silicon | Valves: nickel-plated brass |



| Dimensions | | | Flow rate | Supply pressure | Accuracy | Connection thread | Pressure range | Order number |
|------------|----|----|-----------|-----------------|----------|-------------------|----------------|--------------|
| A | B | C | l/min*1 | max. mbar/bar | % | G | mbar/bar | |
| mm | mm | mm | | | | | | |

| Proportional press. regulator | | | 0-10 V input and monitor signal, supply voltage 24 V DC, fail freeze, single loop for DIN rail | | PM | | | |
|-------------------------------|----|----|--|------------|-----|-------------------------------|----------------|----------|
| 56 | 78 | 54 | 35 | 10 mbar | 0.2 | G ¹ / ₈ | 0 ... 5 mbar | PM1DE-A5 |
| | | | | 20 mbar | | | 0 ... 10 mbar | PM1DE-B1 |
| | | | | 200 mbar | | | 0 ... 100 mbar | PM1DE-C1 |
| | | | | 1 000 mbar | | | 0 ... 600 mbar | PM1DE-C6 |
| 56 | 78 | 54 | 35 | 2 bar | 0.2 | G ¹ / ₈ | 0 ... 1 bar | PM1DE-01 |
| | | | | 3 bar | | | 0 ... 2 bar | PM1DE-02 |
| | | | | 9 bar | | | 0 ... 4 bar | PM1DE-04 |
| | | | | 9 bar | | | 0 ... 6 bar | PM1DE-06 |
| | | | | 15 bar | | | 0 ... 10 bar | PM1DE-10 |
| 56 | 78 | 54 | 35 | 2 bar | 0.2 | G ¹ / ₈ | 0 ... -1 bar | PM1DE-V0 |
| | | | | 2 bar | | | -1 ... +1 bar | PM1DE-V1 |

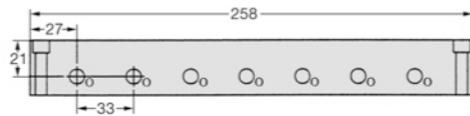
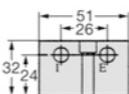
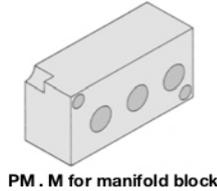
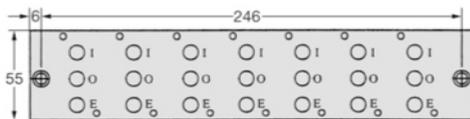
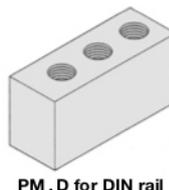
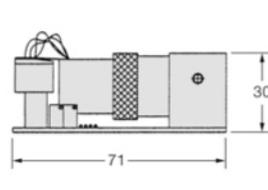
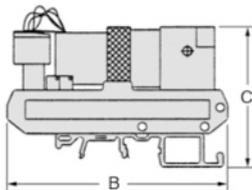


Special options, add the appropriate letter

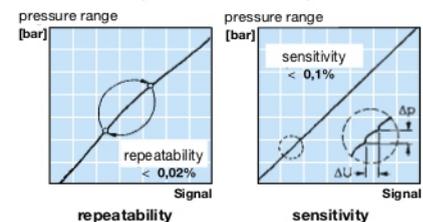
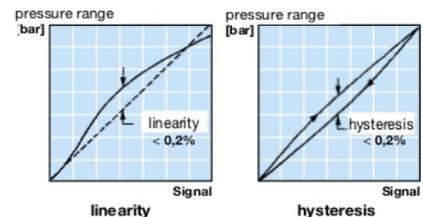
| | | |
|------------------------|--|----------------|
| double loop | second loop feedback 0 ... 10 V | PM2 |
| 4-20 mA | supply signal, jumper selectable command | PM . . . I . . |
| flow 100 l/min | increased flow rate | PMHF |
| panel mounting | on plane level | PM . P . . . |
| mounting for manifolds | connections downwards | PM . M . . . |

Accessories, enclosed

manifold block for 2 to 7 valves number of valves added to order number **SBM-**



manifold block for 2 to 7 valves



*1 at 7 bar supply pressure and open outlet, at regulated flow rate of 3 l/min
*2 higher supply pressures on request

