



DIFFERENTIAL DIGITAL MANOMETERS SERIES MCD

Differential digital manometers series MCD with display inbuilt, are used to measure differential pressure of liquids, gases and vapours also chemical aggressive and can replace analog manometers. This series can be used to measure other physical quantities like liquid level or liquid flow.

DATA SHEET

| | | | | | | | | | |
|--|-----|-----|-----|-----|---|---|----|----|----|
| Pressure ranges $\Delta p = p^+ - p^-$ | bar | 0,1 | 0,2 | 0,5 | 1 | 2 | 5 | 10 | 20 |
| Overpressure (p^+) | bar | 2,5 | 2,5 | 2,5 | 3 | 4 | 7 | 15 | 30 |
| Overpressure (p^-) | bar | 1 | 1 | 1 | 1 | 2 | 3 | 5 | 10 |
| Allowable static pressure | bar | 8 | 8 | 8 | 8 | 8 | 20 | 40 | 80 |

| | | | | | |
|--|-----|----------|----------|----------|--------|
| Pressure ranges $\Delta p = p^- - p^+$ | bar | -0,1 ÷ 0 | -0,2 ÷ 0 | -0,5 ÷ 0 | -1 ÷ 0 |
| Overpressure | bar | -1 ÷ 2 | 1 ÷ 2 | 1 ÷ 2 | 1 ÷ 2 |

| | | |
|-----|--------------------------------------|---|
| 1. | Power supply | alkaline battery 9VDC 6LT83 (enough for 20000 measurements) |
| 2. | Battery exhaustion signal | mark „←” appears in the left-up corner |
| 3. | Over-range | the first digit „1” is seen only |
| 4. | Opposite direction pressure signal | mark „-” |
| 5. | Measurement period | ~ 12 ÷ 32 seconds |
| 6. | Accuracy | ± 0,5% MR |
| 7. | Working temperature | 0 ÷ +50°C |
| 8. | Medium temperature | 0 ÷ +70°C ; option -20 ÷ +70°C |
| 9. | Compensation temperature range – CTR | 0 ÷ +70°C ; option -20 ÷ +70°C |
| 10. | Temperature accuracy within CTR | zero ±0,25% ZP /10°C range ±0,25% ZP /10°C |
| 11. | Position change influence | to neglect for ranges × 1 bar; for ranges > 1 bar to calibrate in the working position |
| 12. | Indicator | 3,5 digit, LCD 8mm |
| 13. | Maximal number display | 1999 |
| 14. | Units | bar; others to agree |
| 15. | Mass | 1,0 kg |
| 16. | Ingress protection enclosure | IP50 |
| 17. | Pressure connection | M20x1,5 or others |
| 18. | Material: | <ul style="list-style-type: none"> • diaphragm - 316Lss; Hastelloy • pressure head's enclosure - 1H18N9T • electronic's enclosure - Al alloy |

