# MMG Műszerszerviz Kft.

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*Mechanical pressure gauges*

## DIFFERENTIAL PRESSURE GAUGE WITH DIAPHRAGM ELEMENT HIGH WORKING PRESSURE

KL 100_F_707_2010_12_E


## MM 100 F/707/1,6
## MM 160 F/707/1,6

### Application:

For gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive ambience.
High working pressures (differential pressure overload/static pressure)

Suitable for monitoring of pumps, filter monitoring, level measurement in closed tanks, chemical and process engineering applications.

### Technical parameters:

| | |
|---|---|
| Construction | EN 837-1 |
| Nominal size | 100 mm, 160 mm |
| Accuracy glass | 1,6% |
| Scale range | 0-16 mbar to 0-40 bar |
| Overload | 40, 100, 250, 400 bar |
| Working pressure | Static load 75% of full scale value<br>dynamic load 65% of full scale value |
| Operating temperature | ambient - 20.....+60°C<br>medium max +100°C |
| Temperature effect | when temperature of the pressure element deviates from reference(+ 20°C)<br>$\pm$ 0,05x($t_2$-$t_1$)% |
| Movement | stainless steel |
| Dial | white aluminium, dial marking black |
| Pointer | black |
| Lens | safety glass |
| Case | bayonet ring, stainless steel |
| Measuring element | diaphragm, stainless steel |
| Socket | stainless steel, 1.4571 |
| Connection | 2x lower mount (LM) |
| Connection thread | G 1/2,other* |
| Protection | IP 65 EN 60 529 |
| Options | glycerine filled, electric contact* |

* marked execution on special request

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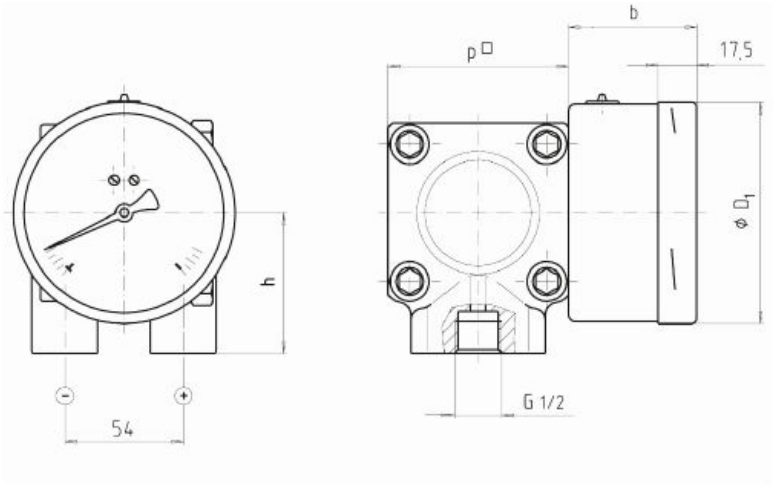


| ø | pressure range | dimensions (mm) | | | | | wight (kg) | | |
|---|---|---|---|---|---|---|---|---|---|
| | | b | $D_1$ | h ± 1 | p□ (PN 40/100/250) | p□ (PN 400) | PN 40/100 | PN 250 | PN 400 |
| 100 | ≤ 0.25 bar | 58.5 | 101 | 86 | 140 | - | 12.1 | 13.1 | - |
| 100 | > 0.25 bar | 58.5 | 101 | 64 | 82 | 86 | 3.6 | 3.9 | 4.5 |
| 160 | ≤ 0.25 bar | 65.5 | 161 | 86 | 140 | - | 12.5 | 13.5 | - |
| 160 | > 0.25 bar | 65.5 | 161 | 64 | 82 | 86 | 4.0 | 4.3 | 4.9 |

## Identification:

| type | pressure range | diameter |
|---|---|---|
| **MM 100 F/707/1,6** | 0-16 mbar ÷ 0-25 bar | 100 mm |
| **MM 160 F/707/1,6** | 0-16 mbar ÷ 0-25 bar | 160 mm |