

Minerva Mass Sets

MNR 502 - MSxxx

*MASS SETS FOR WIKA CPB6000/DESGRANGES & HUOT TYPE 5000
AND FLUKE PG7000 PISTON GAUGES*

A complete mass set includes main masses of 10 kg or 5 kg each, fractionary masses in 5-2-2-1 progression from 0.5 kg to 0.1 kg and a trim mass set with masses from 50 g to 0.01 g.

- Reduced investment
- Plug & play solution
- Provided with ISO/IEC 17025 accredited calibration certificate



The mass set composition is such, that any desired mass value within the mass set range can be loaded within 0.01 g.

All main masses are machined from solid, non-magnetic stainless steel and adjusted to their nominal values in the mass without cavities or trimming hardware which can reduce mass stability over time.

GENERAL SPECIFICATIONS

General specifications

| Masses (All masses are delivered in molded, reusable transit cases with custom inserts) | | |
|---|--|--|
| Masses > 50 g | Material | 304L non-magnetic stainless steel |
| | Adjustment tolerance | ± 20 ppm of nominal value |
| | Measurement uncertainty in certificate | 11 ppm + 0,05 mg (k=2) |
| | Traceability of measured values | The masses are delivered with an ISO/IEC 17025 certificate which assures traceability to (inter)national standards |

Mass set compatibility

| Designator | Nominal total mass | D&H 5200 + 5300 | Wika CPB6000 | PG7102 | PG7302 | PG7601 |
|-----------------|--------------------|-----------------|--------------|--------|--------|--------|
| MNR-502-305-4.0 | 35 kg | - | - | - | - | • |
| MNR-502-035-4.5 | 35 kg | - | - | • | • | - |
| MNR-502-040 | 40 kg | • | • | • | • | - |
| MNR-502-045 | 45 kg | - | - | • | • | - |
| MNR-502-055 | 55 kg | - | - | • | • | - |
| MNR-502-080 | 80 kg | • | • | - | • | - |
| MNR-502-100 | 100 kg | - | • | - | • | - |



Mass set definitions and ordering details

| Ordering Code | Nominal total mass | Mass set composition | | | | | | | Trim set 50 g to 0.1 g | Make up mass ¹ | Total mass incl. piston + carrier |
|-----------------|--------------------|----------------------|------|------|------|--------|--------|--------|------------------------|---------------------------|-----------------------------------|
| | | 10 kg | 5 kg | 2 kg | 1 kg | 0.5 kg | 0.2 kg | 0.1 kg | | | |
| MNR-502-035-4.0 | 35 kg | - | 5 | 2 | 1 | 1 | 2 | 1 | 1 | 1 [4,5 kg] | 36 kg |
| MNR-502-035-4.5 | 35 kg | - | 5 | 2 | 1 | 1 | 2 | 1 | 1 | 1 [4 kg] | 36 kg |
| MNR-502-040 | 40 kg | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 [9 kg] | 41 kg |
| MNR-502-045 | 45 kg | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 [9 kg] | 46 kg |
| MNR-502-055 | 55 kg | 3 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 [9 kg] | 56 kg |
| MNR-502-080 | 80 kg | 6 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 [9 kg] | 81 kg |
| MNR-502-100 | 100 kg | 8 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 [9 kg] | 101 kg |

Note: The piston and the mass loading bell are not included in the mass set. Piston-cylinders are ordered separately and the mass loading bell is delivered with the PG7000 platform. ¹ The make up mass is the first main mass loaded on the piston and bell to reach an even increment of 5 kg or 10 kg.

your distributor:

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