

Comparator Gauges Compika

The Comparator Gauges Compika offer a high degree of security and precision. They are based on a solid and well thought-out construction taking into account the latest technology. They are manufactured by the most up-to-date methods.

A cable release is supplied with each Comparator Gauge free.

The following quality features characterize our manufacturing programme of Comparator Gauges Compika:

- Their design conforms to the requirements of DIN 879-1. This applies not only to the dimensions but also to permitted spans of error, hysteresis and measuring pressure.
- Effective shockproof system.
- Pinions and shafts of the movement are jewelled.
- After removal of the safety cap the adjustment screw on top of the case allows simple and safe zero setting of the instrument over the total measuring range.
- A safety cap prevents unintentional turning of the fine adjustment facility.
- Stem and spindle are made of hardened stainless steel.
- The measuring spindles are very sensitive on account of their accurate guides.
- Additional overtravel assists with the insertion of workpieces into the measuring device.
- The clear scale is shadow free.
- The red tolerance markers are easy to recognize and to set.
- The measuring pressure is approximately 1 N. On request all models are available with a pressure of 0,5 N.

Summary of important technical details of Comparator Gauges Compika

| Metric types | Reading | Range | Dial reading | Overtravel | Special feature |
|-------------------------|----------|--------|--------------|------------|-----------------|
| Compika 101, 101 B | 0,01 mm | 0,5 mm | 25-0-25 | 2,5 mm | Shockproof |
| Compika 101 wa | 0,01 mm | 0,5 mm | 25-0-25 | 2,5 mm | Water protected |
| Compika 505, 505 B | 0,005 mm | 0,2 mm | 100-0-100 | 2,8 mm | Shockproof |
| Compika 502, 502 B | 0,002 mm | 0,2 mm | 100-0-100 | 2,8 mm | Shockproof |
| Compika 1001, 1001 B | 0,001 mm | 0,1 mm | 50-0-50 | 3,0 mm | Shockproof |
| Compika 1001 wa | 0,001 mm | 0,1 mm | 50-0-50 | 3,0 mm | Water protected |
| Inch types | Reading | Range | Dial reading | Overtravel | Special feature |
| Compika 105 Z, 105 BZ | .0005" | .020" | 10-0-10 | .10" | Shockproof |
| Compika 502 Z, 502 BZ | .0002" | .008" | 40-0-40 | .11" | Shockproof |
| Compika 501 Z, 501 BZ | .0001" | .008" | 40-0-40 | .11" | Shockproof |
| Compika 1005 Z, 1005 BZ | .00005" | .004" | 20-0-20 | .12" | Shockproof |

Types with order code 'B' have shortened measuring spindles. These can be used in most precision inside measuring instruments or measuring devices available on the market today.

Comparator Gauge Compika 1001

shockproof, with overtravel

The Comparator Gauge Compika 1001 is manufactured conforming to DIN 879-1. The precisely guided measuring spindle and the use of selected materials make the Comparator Gauge Compika 1001 extremely wear-resistant.

Stem and spindle are made of resistant stainless steel.

| Comparator Gauge Compika 1001 shockproof, with overtravel | |
|---|-----------|
| Reading | 0,001 mm |
| Range | 0,1 mm |
| Dial reading | 50-0-50 |
| Bezel-Ø | 62 mm |
| Stem-Ø | 8 h 6 |
| Dimensions and accuracy according to | DIN 879-1 |
| Spindle | lapped |
| Dimensioned drawing | page 78 |

Comparator Gauge Compika 1001 B

shockproof, with overtravel

The Comparator Gauge Compika 1001 B is identical to the model Compika 1001 except for the reduced protrusion of the measuring spindle beyond the stem of 6 mm instead of 14 mm. This gauge fits most precision inside measuring instruments and measuring devices available on the market.

Stem and spindle are made of resistant stainless steel.

| Comparator Gauge Compika 1001 B shockproof, with overtravel | |
|---|------------|
| Reading | 0,001 mm |
| Range | 0,1 mm |
| Dial reading | 50-0-50 |
| Bezel-Ø | 62 mm |
| Stem-Ø | 8 h 6 |
| Dimensions and accuracy according to | DIN 879-1 |
| Spindle | lapped |
| Dimensioned drawing | on request |



If desired, the Comparator Gauges Compika are also available with special fittings:

- **Comparator Gauge Compika** with measuring force reduced to 0,5 N
- **Comparator Gauge Compika** with increased measuring force
- **Comparator Gauge Compika** with special dial
- **Comparator Gauge Compika** with stem length 85 mm

Please request our offers.

Comparator Gauge Compika 1001 wa

water protected, shockproof, with overtravel

The use of a water protected Comparator Gauge is recommended for applications in splash water environments. This execution, conforming to protection class IP 53, features the following:

- A flexible rubber bellows is fitted where the spindle enters the stem.
- The back is sealed with a rubber ring.

Comparator Gauge Compika 1001 wa water protected

| | |
|--------------------------------------|-----------|
| Reading | 0,001 mm |
| Range | 0,1 mm |
| Dial reading | 50-0-50 |
| Bezel-Ø | 62 mm |
| Stem-Ø | 8 h 6 |
| Dimensions and accuracy according to | DIN 879-1 |
| Spindle | lapped |
| Dimensioned drawing | page 77 |



