

## 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.

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.
- On request all models are available with a reduced measuring force of 0.5 N.

### Summary of important technical details of Comparator Gauges Compika

| Metric models           | 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 models             | 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      |

Models 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   |
| Initial measuring force                                   | 1.0 N ± 20% |
| Dimensioned drawing                                       | page 88     |

## 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   |
| Initial measuring force                                     | 1.0 N ± 20% |
| Dimensioned drawing                                         | on request  |



Model shown: Compika 1001

On request 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

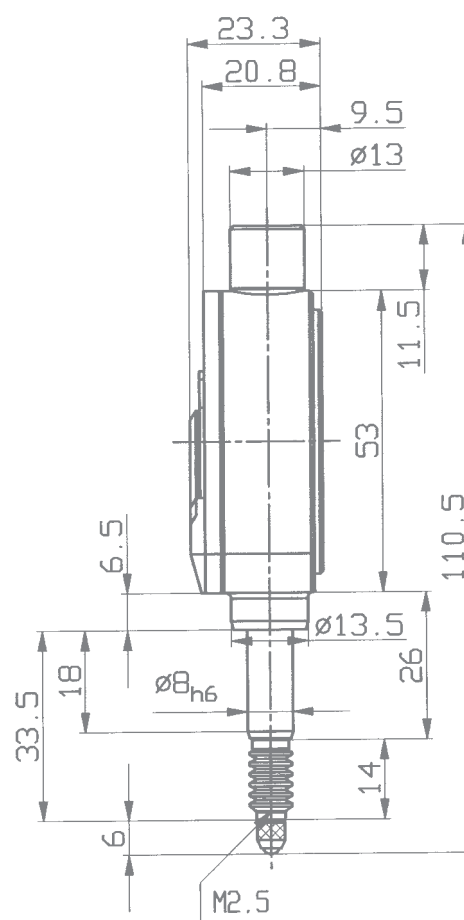
water protected, shockproof, with overtravel

The use of a water protected Comparator Gauge is recommended for applications in splash water environments. This version, 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   |
| Initial measuring force              | 1.1 N ± 20% |
| Dimensioned drawing                  | page 87     |



## Comparator Gauge Compika 1005 Z

shockproof, with overtravel

The Comparator Gauge Compika 1005 Z is manufactured conforming to DIN 879-1.

The precisely guided measuring spindle and the use of selected materials make the Comparator Gauge Compika 1005 Z extremely wear-resistant.

Stem and spindle are made of resistant stainless steel.

| Comparator Gauge Compika 1005 Z shockproof, with overtravel |             |
|-------------------------------------------------------------|-------------|
| Reading                                                     | .00005"     |
| Range                                                       | .004"       |
| Dial reading                                                | 20-0-20     |
| Bezel-Ø                                                     | 2.44"       |
| Stem-Ø                                                      | 8 h 6       |
| Dimensions and accuracy according to                        | DIN 879-1   |
| Initial measuring force                                     | 1.0 N ± 20% |
| Dimensioned drawing                                         | page 88     |



Model shown: Compika 1005 Z

## Comparator Gauge Compika 501 Z

shockproof, with overtravel

Comparator Gauges with Inch reading are also available as short version B. They have a measuring spindle shortened by 8 mm to protrude 6 mm beyond the stem. These gauges fit most precision inside measuring instruments and measuring devices available on the market.

Stem and spindle are made of resistant stainless steel.

| Comparator Gauge Compika 501 Z shockproof, with overtravel |             |
|------------------------------------------------------------|-------------|
| Reading                                                    | .0001"      |
| Range                                                      | .008"       |
| Dial reading                                               | 40-0-40     |
| Bezel-Ø                                                    | 2.44"       |
| Stem-Ø                                                     | 8 h 6       |
| Dimensions and accuracy according to                       | DIN 879-1   |
| Initial measuring force                                    | 1.0 N ± 20% |
| Dimensioned drawing                                        | page 88     |

