

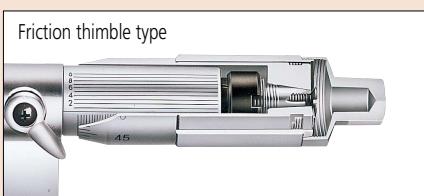


Outside Micrometers SERIES 102

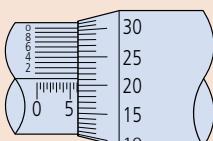
Measurement example



Mechanism



Micrometer with Vernier scale (graduation: 0.001 mm)



- Standard analog micrometer. Thanks to a heat-insulated frame, it is resistant to heat and therefore delivers accurate measurement results.
- Cut-away frame (behind anvil) for measuring in hard-to-reach places.
- Equipped with Ratchet Stop for constant measuring force.
- Measuring faces: Carbide tipped



SPECIFICATIONS

Metric

| Code No. | Range (mm) | Graduation (mm) | Measuring force (N) | Maximum permissible error J_{MPE} (μm) | Flatness (μm) | Parallelism (μm) | Constant measuring force | |
|----------|------------|-----------------|---------------------|---|----------------------------|-------------------------------|--------------------------|--|
| 102-301 | 0 - 25 | 0.01 | 5 - 10 | ± 2 | 0.6 | 2 | Ratchet stop | |
| 102-302 | 25 - 50 | | | | | | | |
| 102-303 | 50 - 75 | | | ± 3 | 0.6 | 3 | | |
| 102-304 | 75 - 100 | | | | | | | |

Metric With vernier scale

| Code No. | Range (mm) | Graduation (mm) | Measuring force (N) | Maximum permissible error J_{MPE} (μm) | Flatness (μm) | Parallelism (μm) | Constant measuring force |
|----------|------------|-----------------|---------------------|---|----------------------------|-------------------------------|--------------------------|
| 102-311 | 0 - 25 | 0.001 | 5 - 10 | ± 1 | 0.3 | 1 | Ratchet stop |
| 102-313 | | | | | | | |
| 102-312 | | | | ± 2 | | | |

Inch

| Code No. | Range (in) | Graduation (in) | Measuring force (N) | Maximum permissible error J_{MPE} (in) | Flatness (in) | Parallelism (in) | Constant measuring force | | | | | |
|------------|------------|-----------------|---------------------|--|---------------|------------------|--------------------------|--|--|--|--|--|
| 102-327-10 | 0 - 1 | 0.0001 | 5 - 10 | ± 0.0001 | 0.000024 | 0.00008 | Ratchet stop | | | | | |
| 102-329-10 | | | | | | | | | | | | |
| 102-328-10 | | | | | | | | | | | | |
| 102-330-10 | 1 - 2 | | | | | | Friction thimble | | | | | |
| 102-331-10 | | | | | | | | | | | | |
| 102-332-10 | | | | | | | | | | | | |

Metric Micrometer set

| Code No. | Range (mm) | Models included |
|------------|---------------------------------------|--|
| 102-911-40 | 0 - 100 (Four micrometers per set) | <ul style="list-style-type: none"> • 102-301 102-302 102-303 102-304 • 3 micrometer standards |

- Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 25 mm models)
- Spanner (301336), 1 pc. (for measuring range 0 to 25 mm/25 to 50 mm models)
- Spanner (200877), 1 pc. (for measuring range 50 to 75 mm/75 to 100 mm models)

DIMENSIONS

