

## Micrometer

### "Uni-Mike"

### SERIES 317, 117 — Interchangeable Anvil Type

- Measures tubing thickness, shoulder-edge distance, rivet head height, etc., with interchangeable anvils (flat anvil, rod anvil, V-anvil).
- IP65 water/dust protection (**series 317**).
- Equipped with Ratchet Stop for constant measuring force.



317-251-30

## SPECIFICATIONS

| Metric          |            |                     |                         |                                                  |                  |
|-----------------|------------|---------------------|-------------------------|--------------------------------------------------|------------------|
| Code No.        | Range (mm) | Resolution (mm)     | Spindle feed error (μm) | Flatness (μm)                                    | Parallelism (μm) |
| Digimatic (LCD) |            |                     |                         |                                                  |                  |
| 317-251-30      | 0 - 25     | 0.001               | 3                       | 0.6 (Spindle face)/<br>2 (Anvil face)            | 3                |
| 317-252-30      | 25 - 50    |                     |                         |                                                  |                  |
| Inch / Metric   |            |                     |                         |                                                  |                  |
| Code No.        | Range (in) | Resolution          | Spindle feed error (in) | Flatness (in)                                    | Parallelism (in) |
| Digimatic (LCD) |            |                     |                         |                                                  |                  |
| 317-351-30      | 0 - 1      | 0.00005 in/0.001 mm | 0.00015                 | 0.000024 (Spindle face)/<br>0.00008 (Anvil face) | 0.00012          |
| 317-352-30      | 1 - 2      |                     |                         |                                                  |                  |

- Power source: SR44 battery (1 pc.), **938882** included as standard (for operational checks)
- Battery life: Approx. 2.4 years under normal use
- Position detection method: Electromagnetic rotary sensor
- Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 25 mm (0 to 1 in) models)
- Spanner (**301336**), 1 pc.

Note: For functional details, refer to page 02-7.

Optional connection cable is available only for water-proof type (Digimatic model).



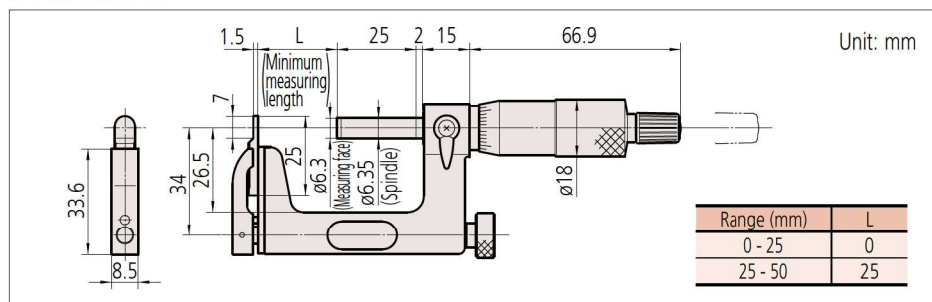
117-101

## SPECIFICATIONS

| Metric   |            |                 |                         |                                                  |                  |
|----------|------------|-----------------|-------------------------|--------------------------------------------------|------------------|
| Code No. | Range (mm) | Graduation (mm) | Spindle feed error (μm) | Flatness (μm)                                    | Parallelism (μm) |
| Analog   |            |                 |                         |                                                  |                  |
| 117-101  | 0 - 25     | 0.01            | 3                       | 0.6 (Spindle face)/<br>2 (Anvil face)            | 3                |
| 117-102  | 25 - 50    |                 |                         |                                                  |                  |
| Inch     |            |                 |                         |                                                  |                  |
| Code No. | Range (in) | Graduation (in) | Spindle feed error (in) | Flatness (in)                                    | Parallelism (in) |
| Analog   |            |                 |                         |                                                  |                  |
| 117-107  | 0 - 1      | 0.0001          | 0.00015                 | 0.000024 (Spindle face)/<br>0.00008 (Anvil face) | 0.00012          |
| 117-108  | 1 - 2      |                 |                         |                                                  |                  |

- Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 25 mm (0 to 1 in) models), Spanner (**200877**), 1 pc.

## DIMENSIONS



MeasurLink<sup>®</sup> ENABLED  
Data Management Software by Mitutoyo

U-WAVE<sup>fit</sup>

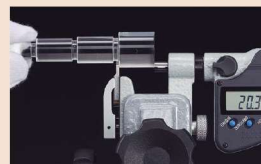
IP65

TÜV Rheinland  
CERTIFIED

Dust- and  
Water-  
Protected  
www.mitutoyo.com  
ID: 0000040181

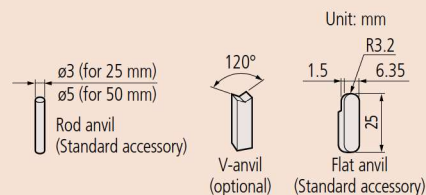
Applicable models: **series 317**

## Measurement example



## Optional Accessories

| Code No.  | Type   | Description                                                                    |
|-----------|--------|--------------------------------------------------------------------------------|
| 264-020   | —      | USB Input Tool Series<br>USB Keyboard Signal Conversion<br>Type <b>IT-020U</b> |
| 05CZA662  | B      | Connection cable (1 m)                                                         |
| 05CZA663  | B      | Connection cable (2 m)                                                         |
| 06AFM380B | B      | USB Input Tool Direct (2 m)                                                    |
| 02AZD730G | IP67   | <b>U-WAVE-T</b>                                                                |
| 02AZD880G | Buzzer | <b>U-WAVE-T</b>                                                                |
| 02AZE200  | —      | <b>U-WAVE-T</b> mounting bracket                                               |
| 02AZD790B | B      | Connection cable for<br><b>U-WAVE-T</b> (160 mm)                               |
| 02AZE140B | B      | Connection cable for<br><b>U-WAVE-T</b><br>For foot switch                     |
| 264-622   | IP67   | <b>U-WAVE-TM</b>                                                               |
| 264-623   | Buzzer | <b>U-WAVE-TM</b>                                                               |
| 264-626   | IP67   | <b>U-WAVE-TMB</b>                                                              |
| 264-627   | Buzzer | <b>U-WAVE-TMB</b>                                                              |
| 02AZF310  | IP67   | Connecting unit for<br><b>U-WAVE-TM/TMB</b>                                    |



| Code No. | Item                                                                             |
|----------|----------------------------------------------------------------------------------|
| 201216   | Flat anvil (standard accessory)                                                  |
| 201217   | Rod anvil (standard accessory for <b>117-101/117-107/317-251-30/317-351-30</b> ) |
| 201379   | Rod anvil (standard accessory for <b>117-102/117-108/317-252-30/317-352-30</b> ) |
| 201218   | V-anvil (optional)                                                               |
| 950758   | Round Base for <b>series 117</b> , for 0-25 mm<br>ø58x14.2 mm (optional)         |