

**TESA****UNIMASTER Universal Measuring Instrument, Type: 250-1475****Order data**

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| Order number | 428330 250-1475 |
| GTIN | 7630041109221 |
| Item class | 45C |

Description**Version:****Versatile instrument for measuring particularly large internal and external dimensions.**

The TESA UNIMASTER is based on the concept of a 2-point internal micrometer. The TESA UNIMASTER consists of a measuring element with a micrometer, shock-resistant dial indicator and moveable measuring stop. By fitting extensions with extensions with built-in gauge blocks to the measuring element, any desired dimension within the large operating range can be measured directly.

- **Very accurate measuring instrument, sturdy and easy to use.**
- **Vertical or horizontal position of use.**
- **Constant measuring force.**
- **Integrated dial indicator to show the turning point.**
- **Stable measurements due to low flexure of the instrument and extensions with heat insulating grip.**
- **Measuring elements with carbide-tipped inserts.**
- **Sliding measurement anvil mounted on ball bearings.**
- **Extensions with integral carbide-tipped gauge blocks of round cross-section.**
- **Quick and plane parallel assembly due to the quick coupling system.**

Supplied with:

- 1 measuring element.
- 3 pairs of measuring pins for internal and external measurements.
- 1 setting standard.
- 9 extensions 25 - 600 mm.
- 1 special screwdriver for extensions.
- 1 set support accessories.
- 1 wooden case.

Optional extras:

Extension 1000 mm, pair measuring pins for measurement depth ≤ 20 mm, support roller for extension 1000 mm (2 pieces required).

Technical description

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| Application range external | 225 - 1600 mm |
| Application range internal | 250 - 1625 mm |
| Error limit | 5 μm |
| Thread pitch | 1 mm |
| Graduation value for internal micrometer | 0.01 mm |
| Graduation value for dial indicator | 0.01 mm |
| Measuring spans of the internal micrometer | 25 mm |
| Measuring range of the dial indicator | ± 0.4 mm |
| Gauging force | 15 - 20 N |
| Type of product | universal gauge unit |