

# Precimar LINEAR 100. Length Measuring Instrument

The LINEAR 100 is a universal, easy to operate length measuring instrument for quick and precise outside and inside measurements up to 100 mm, directly on the production line. The simple design of the instrument speeds up the measurement process and makes it quick and easy to adapt to new measuring tasks.

- Cushioned measuring spindle with 2 preselectable measuring forces
- Constant measuring force over the entire measuring range
- Complies with Ernst Abbe's comparator principle for outer measurements
- Infinitely adjustable measuring table height for accurate adjustment of measuring positions
- Combined outer/inner measurement possible without the need for recalibration
- Easy change measuring anvils can be selected to match specific measuring tasks
- Sturdy cast body to eliminate stresses and bending errors
- Height adjustable support tables for inner and outer measurements
- MarCheck measurement display (with optional stand): including 2 channels, USB connection for printer or stick, USB connection for PC, and RS 232 interface for easy transfer of measured values to PCs
- Measured values can be transferred to all MSWindows® programs (e.g. Microsoft Excel®) via the MarCom software (optional)
- Various accessories available upon request



## Technical Data

LINEAR 100	
Direct measuring range [mm]	50
Measuring range for outer measurement [mm]	0 to 100
Measuring range for inner measurement [mm]	15 to 100
Measuring uncertainty $MPE_{E1}$ (L in mm) [ $\mu m$ ]	$\leq (0,7 + L/1000)$

## Accessories

- Outer measurement set (assorted measuring anvils)
- Inner measurement set (probe pair starting from 6 mm, floating plate, etc.)
- Centering tip mount set
- Support plate for cylindrical workpieces
- Foot switch, data cable, stand for display unit
- Outside and inside probes with M2.5 bore for gear measuring balls
- MarCom software for transferring measured values to MSWindows® programs

## Applications

- Quick and easy high precision outer and inner measurements
- Outer diameter measurements (bolts, turned parts, etc.)
- Inner diameter measurements (bores, rings, etc.)
- 2 ball dimension checks on outer and inner gears

For more information, willrich precision ph 866-945-5742 / sales@willrich.com