

Product information

Precision length measuring machine Precimar PLM 1000-E

Product features

The PLM-E precision length measuring machine is an Abbe compliant comparator mounted on highly homogeneous rigid granite in a horizontal configuration

Package contains

Standard software 828 WIN "Free measuring", PC evaluation unit (without monitor), 2 parallel gage blocks 60/20, 2 plug-in heads Ø 5mm, 2 quick clamps, Pair of measuring brackets 90/60 Ci/a, USB stick, Accessories package

Item no.: 5350800



Application

Calibration of:

- Plain plug gages and gage rings
- Setting gage rings
- Snap gages
- Spherical gage blocks, internal micrometers
- Gage blocks
- Thread gages
- Taper thread gages
- Gear gages
- Dial indicators
- Dial comparators
- 2-point bore gages
- Outside micrometers
- 2-point inside micrometers
- Precision length measurement
- Measurement of thin-walled and deformed workpieces

Technical data

Measuring range for outer measurement [mm]	0 to 1000
Table surface (A x B) mm	150 X 300
Measuring range for inner measurement [mm]	0,5 to 845
Direct measuring range [mm]	200
Position deviation / error limit (L in mm) [µm] *	$\leq (0.07 + L/2000)$
Measuring uncertainty MPE_{E1} (L in mm) [µm]	$\leq (0,085 + L/1500)$
Measuring forces [N]	0 to 13,9
Repeatability [µm]	≤ 0.05
Device length [mm]	2110
Mass [kg]	535