

# Product information

## Precision length measuring machine Precimar PLM 600-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.: **5350700**



### 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

<b>Measuring range for outer measurement [mm]</b>	0 bis 600
<b>Table surface (A x B) mm</b>	150 X 300
<b>Measuring range for inner measurement [mm]</b>	0,5 to 445
<b>Direct measuring range [mm]</b>	200
<b>Position deviation / error limit (L in mm) [µm] *</b>	$\leq (0.07 + L/2000)$
<b>Measuring uncertainty <math>MPE_{E1}</math> (L in mm) [µm]</b>	$\leq (0,085 + L/1500)$
<b>Measuring forces [N]</b>	0 to 13.9
<b>Repeatability [µm]</b>	$\leq 0.05$
<b>Contacting speed with joystick (max)</b>	8
<b>Device length [mm]</b>	1660
<b>Mass [kg]</b>	480