

# Product information

## Precision length measuring machine Precimar PLM 1000-E

### 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

### 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

Item no.: **5350800**



### Technical data

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