

# Product information

## Calibration measuring instruments Precimar ULM 1000 S-E

### Package contains

Standard software 828 WIN  
"Free measuring", PC evaluation  
unit (without monitor), Magnetic  
holder for temperature probe,  
Pair of measuring brackets,  
immersion depth 14 mm, 2  
parallel gage blocks 60/20, 2  
quick clamps, 2 measuring  
heads with spherical zone,  
Setting gage 2, USB stick,  
Weights 0.25/0.5/1.0/2.0N,  
Hexagonal wrench, Screwdriver,  
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
- Taper gages
- Dial indicators
- Dial comparators
- 2-point bore gages
- Outside micrometers
- 2-point inside micrometers

Item no.: **5350268**

### Technical data

<b>Measuring range for outer measurement [mm]</b>	0 to 1025
<b>Measuring range for inner measurement [mm]</b>	0.5 to 870
<b>Direct measuring range [mm]</b>	Outer measurement: 0 to 1025 Inner measurement: 0.5 to 870
<b>Measuring uncertainty <math>MPE_{E1}</math> (L in mm) [<math>\mu</math>m]</b>	only with ABBE measuring element: $MPE_{E1} ? (0.09+L/2000)$ with base bed measuring system: $MPE_{E1} ? (0.6+L/1000)$
<b>Repeatability [<math>\mu</math>m]</b>	With Abbe measuring element: $\leq 0.05$ With base bed measuring system: $\leq 0.2$
<b>Measuring forces [N]</b>	0.2 ; 1.0 to 4.5 ; 11
<b>Device length [mm]</b>	1500
<b>Mass [kg]</b>	215
<b>Device dimensions</b>	1500 x 380 x 480