

Product information

Calibration measuring instruments Precimar ULM 1000 S-E

Product features

Large universal length measuring instruments with large direct measuring range are mounted on highly homogeneous rigid granite in a horizontal configuration

X-axis measuring system:

- Heidenhain incremental, precision length measuring system, 100 mm long in measuring element
- Heidenhain incremental incident light measuring systems covering the entire length of the base bed and to its right and left

Z-axis measuring system:

Renishaw incremental, precision length measuring system, 80 mm long

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

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