

Product information

Calibration measuring instruments Precimar ULM 600-E

Product features

ULM-E universal length measuring comparator instruments are mounted on highly homogeneous rigid granite in a horizontal configuration

X-axis measuring system:

Heidenhain incremental, precision length measuring system, 100 mm long

Z-axis measuring system:

Renishaw incremental, precision length measuring system, 80 mm long



Package contains

Standardsoftware 828
WIN "Freies Messen", PC
Auswerteeinheit (ohne
Monitor), Magnethalter
für Temperaturfühler,
Messbügelpaar, Eintauchtiefe
14 mm, 2 Parallelunterlagen
60/20, 2 Schnellspanpratzen,
2 Messaufsätze mit Kugelzone,
Einstellehre 2, USB-Stick,
Gewichte 0,25/0,5/1,0/2,0N,
Sechskantschlüssel,
Schraubendreher,
Zubehörverpackung

Item no.: 5350260

Technical data

Device dimensions	1080 / 1500 / 2000 x 380 x 480 ULM 300-E: 685 x 280 x 480
Measuring range for outer measurement [mm]	0 to 640
Measuring range for inner measurement [mm]	0.5 to 485
Direct measuring range [mm]	100
Measuring uncertainty MPE_{E1} (L in mm) [μm]	$\leq (0.09+L/2000)$
Measuring forces [N]	0.2 ; 1.0 to 4.5 ; 11
Repeatability [μm]	≤ 0.05
Device length [mm]	1080
Mass [kg]	160

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
- Length measurement on precision table