

kal-rock



Calibration device for
depth-measuring of hardness
testing machines

PRODUCT INFORMATION



Product Information



kal-rock

Direct verification

In addition to the indirect verification of hardness testing machines by the use of reference blocks, a direct method for the verification is also required. In this case the test power, the indenter, the depthmeasuring device and the testing cycle have to be calibrated.

The allowed deviations of the measuring instruments or reference blocks and of the components of the hardness testing machines, which should be tested, are described in the standard DIN EN ISO 6508-2.

In regard with these technical demands, the kalrock instrument for the calibration of the depthmeasuring device was developed.

Electronic unit

- clearly arranged display
- easy menu navigation
- USB-interface for data transfer
- data output RS 232
- 100 - 240 VAC; 50/60 Hz

Advantages of the measuring procedure

- Measurement of the changes of the length in the loading axes
- Measurement under a preload
- Measurement, without contact of the preload with the measuring system.
- Calibration of the length measuring unit by using a device for all Rockwell scales and the total hardness range.

Official DAkkS-calibration certificate for kal-rock

Technical Data

measuring range $\pm 400 \mu\text{m}$
 uncertainty of measurement $0,3 \mu\text{m}$
 display accuracy $0,1 \mu\text{m}$

Dimension	LxWxH [mm]	weights
kal-rock	$\varnothing 90 \times 25$	3,2 kg
Electronic unit	260 x 260 x 110	2,0 kg