

Product Information

ZHU - Universal hardness testers up to 187.5 kg



ZHU8187.5 Universal Hardness Tester



Display of ZHU8187.5 Universal Hardness Tester

Range of applications

The Zwick ZHU Universal Hardness Testers perform UKAS accredited hardness testing to:

- Vickers (HV) DIN EN ISO 6507, ASTM E92
- Brinell (HB) DIN EN ISO 6506, ASTM E 10
- Rockwell (HR) DIN EN ISO 6508, ASTM E 18

Advantages/Characteristics

- Dead weight load combinations up to 187.5 kg
- Simple operation including:
 - automatic load application and removal
 - diagonal value transfer at the touch of a button
 - automatic evaluation of hardness value
 - load change via rotary switch
- Variable test sequence timing from 1 to 50 s
- LCD Line display - screen display of hardness value and scale with 0.1 unit resolution (e.g. 60.3 HRC)

- Setting of hardness tolerance and statistics (\bar{x} and R)
- Conversion:
 - Rockwell to Vickers, Brinell, Knoop, and UTS
 - Brinell to Vickers, Knoop, UTS, and Rockwell HRA, HRB, HRC
 - Vickers to Brinell, Knoop, UTS, and Rockwell HRA, HRB, HRC
- Integral microscope with measuring shutters and push button for transfer of dimensional data (not 6187.5LK)
- Various accessories as standard, such as
 - indenters
 - reference test blocks with UKAS certificates
 - specimen support tables

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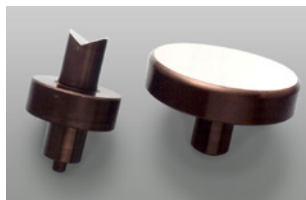
Item number ZHU	8187.5LKV	9150LKV	6187.5LK
Microscope: magnification	x 5 (built-in)	x 10 (built-in)	x 20
Vickers: HV	3, 5, 10, 30, 100	3, 5, 10, 20, 30, 100	10, 100
Brinell: HBS (HBW)	1/5; 1/10; 1/30 2.5/62.5; 2.5/187.5	1/5; 1/10; 1/30	2.5/62.5, 2.5/187.5
Rockwell: HR	10 60, 100, 150	10 60, 100, 150	10 60, 100, 150
Included as standard:			
Indenters:			
Vickers diamond pyramid	•	•	•
Hard metal ball, dia. 2.5 mm	•	•	•
Hard metal ball, dia. 1 mm	•	•	•
Hard metal ball, dia. 1/16"	•	•	•
Rockwell diamond cone	•	•	•
Hardness test blocks:			
HV	•	•	•
HBW	•	•	•
HRC	•	•	•
HRB	•	•	•
Support anvils (flat, V-shape)			
	•	•	•

Accessories (optional)

Description	Item number
Vickers indenter, 136° diamond pyramid, with UKAS certificate	2111523
Brinell indenter, 2.5 mm hard metal ball, with UKAS certificate	2111526
Brinell indenter, 1 mm hard metal ball, with UKAS certificate	2111524
Rockwell indenter, 120° diamond cone, with UKAS certificate	2111504
Rockwell indenter, 1/16" hard metal ball, with UKAS certificate	2111513
Rockwell indenter, 1/8" hard metal ball, with UKAS certificate	2111517



Indenter



Support tables



Support tables for round specimens



Hardness comparison plate with certificate