

## 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
- Various accessories as standard, such as
  - indenters
  - reference test blocks with UKAS certificates
  - specimen support tables

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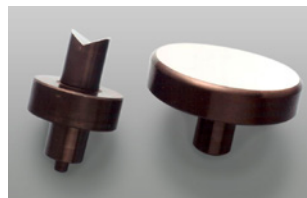
Item number ZHU	8187.5LKV	9150LKV
Total magnification	x 50 (built-in)	x 100 (built-in)
Vickers: HV	3, 5, 10, 30, 100	3, 5, 10, 20, 30, 100
Brinell: HBS (HBW)	1/5; 1/10; 1/30 2.5/62.5; 2.5/187.5	1/5; 1/10; 1/30
Rockwell: HR	10 60, 100, 150	10 60, 100, 150
<b>Included as standard:</b>		
Indenters:		
Vickers 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 anvil		
Flat	•	•

### Accessories (optional)

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



Indenter



Support tables



Support tables for round specimens



Hardness comparison plate with certificate