Product Information
Zwick hardness tester 3106

Suitable for testing:

- The indentation hardness on plastic materials according to ISO 2039-1

- The Rockwell hardness on metals and plastic materials according to EN 10109

- The hardness of building plaster according to DIN 1168-2

- Asphalt, indentation test according to DIN 1996-13

- The hardness according to Rockwell of carbon material according to DIN 51917

Special characteristics

- Dead weight loading

- Electronic display of the indentation depth

- Display of the hardness values via an electronic evaluation unit (option) directly in the corresponding hardness unit

- Test data transfer to PC is possible (option electronic evaluation unit is necessary)

- Statistics, protocol printout on PC is possible (option electronic evaluation unit is necessary)

- Smooth test bad application by means of an oilbrake

- Simple handling, short instruction time

- Solid, rugged device

- Gast body, reinforced

- Manual vertical adjustment of the table by means of a hand wheel

- CE-conformity

- Maintenance and DKD-calibration by the extensive Zwick Service

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Order item	H04.3106.100	
	Value	**Unit**
Test loads		
Dead weights, mechanical via lever arm		
Test load levels	49 ... 1471	N
Preload	3 ... 98	N
Data for workpieces		
Working radius	125	mm
Maximum test height	210	mm
Maximum workpiece weight	160	kg
Test table		
Table vertically adjustable by hand wheel,		
with concertina guard covering	dia. 25	mm
Tables	Exchangeable	
Indentors		
Ball indentor	1.58 ... 12.7	mm
Flat indentor		
Indentation depth measurement		
Resolution	0.001	mm
Electronic unit		
LC-display	2 x 16 characters	
Operation by means of key pad - 10 keys		
Power supply unit connector		
Language selectable (German, English, French)		
Test data processing		
Time for measurement	0 ... 99	s
Storage	2000 test data in 10 rows, each with 200 test data	
Statistics	Minimum-/maximum value, average-/median value,	
	standard deviation, cp-/cpk-value	
Data transfer		
Interface RS 232C	4800	Baud
	1	Stopbit
	8	Data bits
	No parity	
Format	PC-format (only test data)	
	Printer format (test data + unit)	
	Protocol head	
Dimensions (W x H x T)		
Without electronic evaluation unit	220 x 660 x 350	mm
Weight		
Net weight	65	kg
Gross weight	100	kg

All data at ambient temperature.