

TECNIMETAL



UNIVERSAL PORTABLE HARDNESS TESTER

● Portable

● Universal

● Dynamic

● Fast measurement

● Low test expenditure



DYNA[®] TH-1100



The completely new entry level- TH-1100, part of the unbeatable series of TIME Leeb type dynamic hardness testers offers a very affordable but accurate hardness testing solution for on-site testing in workshops and in field operation. The unit assures accurate and reliable measurement.

Any metallic products with a minimum solid mass of 2 kg can be tested according to the Leeb principle. The display shows hardness values in all common scales, such as HLD, HB, HRC, HRA,HRB, HV and HS. The instrument is equipped with chargeable batteries that provides 16 hours continuous operation.

DYNA® TH-1100

PORTABLE UNIVERSAL

Standard delivery

- Main Unit integrated with impact
- Test block with HLD value
- Charger
- Cleaning brush
- Certificate
- Manual
- Carrying case

Optional accessories

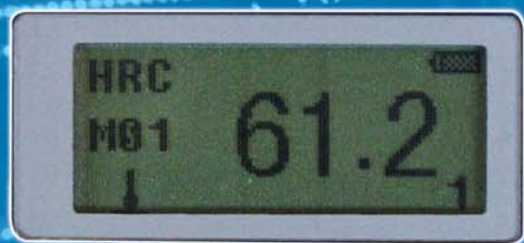
- Support rings

DYNA® TH-1100 PORTABLE HARDNESS TESTER

- Direct display of hardness values in Rockwell HRB, HRC, Vickers HV, Brinell HB, Shore HS, Leebs HLD
- Test results appear directly on the large display
- Impact Device D integrated: no cables
- Memory up to 99 data group files
- Tests at any angle, even upside down
- High quality LCD display
- Battery capacity display
- Simple handling and low test expenditure




Technical specifications

Standard impact device	D integrated
Hardness scales	HLD, HB, HRC, HRA,HRB, HV, HS
Measuring range / materials	See table
Tolerance	0.5% at 800HLD
Memory	99 data group files
Output	NO
Min. surface roughness of workpiece	1.6 μ (Ra)
Max. workpiece hardness	960HLD
Min. radius of workpiece (convex/concave)	Rmin= 50mm (with support ring Rmin= 10mm)
Min. workpiece weight	2~5kg on stable support 0.05~2kg with compact coupling
Min. workpiece thickness coupled	5mm
Min. thickness of hardened layers	0.8mm
Charging time	3 hours
Continuous working time	16 hours
Power	Rechargeable Li battery
Operating temperature	0~40°C
Overall dimensions	145×35×30mm
Weight	110 g



Test block included



No.	Type	Optional support rings	Remarks
1	Z10-15		For testing cylindrical outside surface R10~R15
2	Z14.5-30		For testing cylindrical outside surface R14.5~R30
3	Z25-50		For testing cylindrical outside surface R25~R50
4	HZ11-13		For testing cylindrical inside surface R11~R13
5	HZ12.5-17		For testing cylindrical inside surface R12.5~R17
6	HZ16.5-30		For testing cylindrical inside surface R16.5~R30
12	UN		For testing cylindrical outside surface, radius adjustable R10~∞

Material	HLD	HRB	HRA	HRC	HB	HV	HS
Steel & cast steel	300~900	38.4~99.8	59.1~85.8	20~68.4	81~654	81.1~955	32.5~99.5
CWT.ST	300~840			20.4~67.1		80~898	
Stainless steel	300~800	46.5~101.7		19.6~62.4	85~655	85~802	
GC. Iron	360~650				93~334		
NC.Iron	400~660				131~387		
C.Alum	200~570	23.8~34.6			26.8~164		
Brass	200~550	13.5~95.3			40~173		
Bronze	300~700				60~290		
Copper	200~690				45~315		

TECNIMETAL



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Universal ●

Dynamic ●

Fast measurement ●

Low test expenditure ●

Changes in products and/or product specifications can emerge due to new technologies and continuous development.

We reserve the right to change or modify specifications of products without prior notice.

We recommend you contact our sales office for up-to-date information.

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