

ROCKY TH-110

Portable Hardness Tester





ROCKY TH-110
PORTABLE HARDNESS TESTER WITH BUILT-IN PRINTER

FEATURES

The year 1989, the first TIME Leeb portable hardness tester ROCKY HLN11A was presented to the market. Yet, the new generation of this high quality, popular hardness tester is still the best selling Leeb tester world wide. Often copied, but never equalled, the TH-110 is the 3rd generation of the ROCKY dynamic Leeb hardness testers. (standardized according to ASTM A956)

Most metallic products with a minimum solid mass starting from 0.5kg can be tested according to the Leeb principle. The display shows hardness values in all common hardness scales.

The instrument is equipped with re-chargeable batteries providing over 16 hours continuous operation.

- Test results appear directly on the large display
- According to ASTM and DIN standards
- Display scales HRC, HRB, HV, HB, HS and conversion to tensile strength
- Highly accurate readings $\pm 6\text{HLD}$
- Correction for impact direction 360 degrees
- Chargeable battery pack to ensure many hours of undisturbed testing and printing
- Direct keys for easy set up of testing parameters
- Mini-printer installed on the main unit
- Ridged ABS anti-shock casing with sealed keypad



TECHNICAL SPECIFICATIONS

Hardness parameter	HL, HRB, HRC, HV, HB, HS
Tensile strength U.T.S.	σ_b from 374 to 2652 range (steel only)
Accuracy	Within $\pm 6\text{HLD}$
Printer	Printer showing all test results and settings
Statistics	Average value
Impact device	D (standard)
Optional impact devices	DC/D+15/DL/G/C
Max. hardness value	940HV-1000HV
Workpiece radius (convex/concave)	Rmin = 50mm (with support ring) Rmin= 10mm
Min. Workpiece weight	2-5kg on stable support 0.05-2kg with compact coupling except C and G impact device
Workpiece min. thickness coupled	5mm (except with impact device G: 10mm, C: 1mm)
Workpiece min. case hardened depth	0.8mm, except C impact device 0.2mm and G impact device 1.2mm
Power	Rechargeable NiMh battery pack
Charger	12V, 600mA (1.8VA)
Charging time	2.5 - 4 hours
Operating temperature	0°C to 40°C
Overall dimensions	235mm x 90mm x 47mm
Weight	615gr (incl. impact device and printer)

ORDER DETAILS

TH-110/D Portable hardness tester with built-on printer and external D probe

STANDARD DELIVERY

- Instrument with impact device type D
- Printer (on top)
- Hardness test block with HLD-value
- Charger
- Cleaning brush
- Coupling paste
- Support ring small
- INNOVATEST® certificate
- Manual
- Carrying case

OPTIONAL ACCESSORIES

- Special impact devices (see overview on page 102/103)
- UKAS Reference hardness blocks
- Support rings for convex, concave and spherical surfaces (see page 93)

SUPPORT RINGS



HARDNESS TEST BLOCK



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