

پترو فرهان گستر جنوب

Tehran, Tehransar

TIME 5100 SERIES

Portable Hardness Testers

LEEB REBOUND



ABOUT

The TIME5100 Series provides in portable hardness inspection of almost any object, polished parts and heat-treated surfaces. The hardness measurements are made by using the dynamic rebound testing method according to Leeb.

Leeb hardness testing was invented in 1975 in Switzerland and has become one of the most popular portable testing methods currently available.

The TIME Leeb Hardness testers are supplied to the industry since 1991 and can be seen as the current global standard for Portable hardness testing.

TECHNICAL SPECIFICATIONS

Hardness parameter	HRC, HRB, HRA, HV, HB, HL, HS
Accuracy	0.5% ± 3HL
Max. Surface roughness of workpiece	≤1.6µm(Ra)
Impact device integrated	D integrated
Max. hardness value	940HV (Vickers)
Workpiece minimum weight	5kg - 2kg on solid support
Workpiece min. thickness coupled	5mm
Workpiece min. case hardened depth	0.8mm
Continuous working time	>8 hours
Power	2 AA batteries
Operating temperature	0°C to 40°C
Overall dimensions	155mm × 24mm × 55mm
Weight	180gr

HIGHLIGHTS

- 1 Excellent portability for testing anywhere, anytime.
- 2 Automatic gravity compensation for testing at any angle.
- 3 Extra large LCD display.
- 4 Real-time measurement USB data output.
- 5 Mini printer available.
- 6 Easy calibration function.
- 7 Simple to replace AA batteries.

D TYPE

Medium impact energy, suitable for regular workpieces of 5 kg or more having grinded or polished test surfaces.

COMPACT & EASY TO USE...

The D impact device and data processing electronics are integrated into one compact and ergonomic handheld device. The TIME TH170 has a USB connection for data output or connection to a mini printer.

2 YEARS WARRANTY

Warranty does not apply to consumables such as batteries, impact body or improper use.

SUPPORT RINGS



TH/0805
TH/0810
TH/0815

Cylindrical ext.



TH/0820
TH/0825
TH/0830

Cylindrical int.



TH/0905
TH/0910

Spherical ext.



TH/0920
TH/0925
TH/0930

Spherical int.



TH/0860
Universal for ext.

STANDARD DELIVERY

- Instrument with integrated impact device type D
- **HLD Hardness test block with a traceable ASTM/ISO calibration certificate**
- Cleaning brush
- Support ring
- INNOVATEST® certificate

PERFORM TESTS
AT ANY ANGLE



OPTIONAL ACCESSORIES

- Additional Support rings
- USB data cable (TH 170/136)
- Mini printer (TA 230)
- Power adapter printer (TA-220/0600)



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