

New Generation Technology Portable Digital Hardness Tester - ITI-130

Fully Automatic
Flexible, Rigid And Rapid The
Most Ability
The Least Restriction
Monolith, Yellow Parts

ITI-130

This device is built after two decades research and experience and disappears more limitations of conventional leeb devices and has developed portable hardness tester power range .

This device has new ability by electromagnetic shooting and infrared velocity measurement and eliminates mechanical parts.

Applications:

Hardness testing of raw material
Hardness testing of heavy and light pieces
Hardness testing of metal pipes and CNG tanks N.D.T Testing
Hardness testing of welding joints
Hardness testing at production process
Hardness testing of building structures and fuel pipes

Properties:

Hardness test without complex setting
Capability of testing more Alloys
Showing hardness result on HLD-HRC-HRB-HB-HV-HSC
Memory for 3000(approx.)test and USB port transferring
Calibration by standard block and user
Software user calibration
Small and light weight with Poly Carbonate rigid case

Technical Specification:

Measuring Direction	360°
Display	LCD
Data Memory	500 Readings Approx.
Battery Pack	800 ⁺ 1600 mAh Li-ion 3.7V
Battery Charger	USB type
Continuous working period	3000-4000 Test Approx.
Communication Interface	USB1

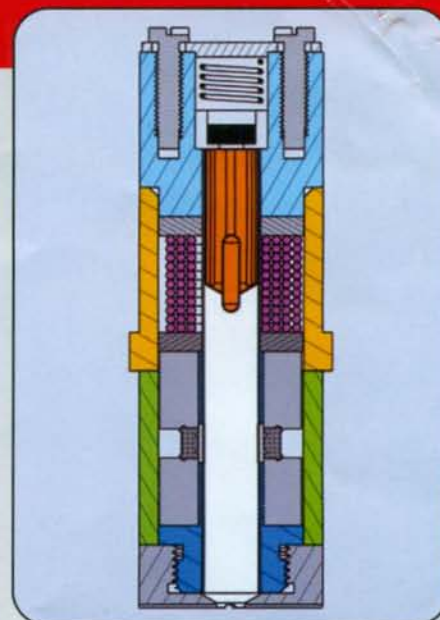




Monolith Operation



Probe Separating ability



ITI-130 probe

Indenter 1.5 gr	Indenter 2.5 gr	Properties
H 30mm* x W 60mm* x L 170 mm		Dimention
+4 HLD (0.5% at 800 HLD)		Measument Accuracy
Li-Polymer 1Ah 3.7 V 5000 test by full charge		Battery & Consumption
+1 HLD Resolution		
200 grm*		Weight
15mm (Flat)	22mm (Flat)	Mini work Piece Thickness
5mm (pipe)	15mm (Pipe)	Mini work Piece Weight
Mini Thickness with Support		0.5mm

Low Alloy Steel	200-900 Leeb	80-647 Brinell 80-940 Vickers 41-99.5 Rockwell B 0-68.0 Rockwell C
High Alloy Steel	300-840 Leeb	80-898 Vickers 20.4-67.1 Rockwell C
Cast Iron	360-650 Leeb	93-334 Brinell
GGG	400-658 Leeb	25-198 Brinell
Brass	200-550 Leeb	40-173 Brinell
Copper	200-690 Leeb	45-315 Brinell

Compare Table:

	Conventional Leeb	ITI-130
Test Speed	Few Seconds	Sub Second
Work Piece Weight	1000 grm Mini.	200 grm Mini.
Work Piece Thickness	30 mm Mini.	15 grm Mini. (4mm)* Pipe Form
Prob Dimensions	More Bigger	15*45mm
Operation	Handy	Automatic
Indenter Durability	Approx 3000 tests	1 Lakh Tests Approx.
Error in Magnetic Piece	Yes	No
User Calibration	No	Yes
Battery Charging Time	4-5hrs	30 mini to 1 hrs.



Accessories:

Standard reference block
Battery charger
convex and concave Heads and cleaning brush Hand bag
Manuals
Equation table (ASTM - A956)
Software CD
Calibration Certificate

Technical Specifications & Designs are subject to change without any prior notice

Dealers Name & Address:



TOOLS & INSTRUMENTS Co.

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