

Integrated Portable Hardness Tester

TH134



Hardness testing in extremely confined spaces

Real time printing or batch printing

Integrated Portable Hardness Tester TH 134

TH134 portable hardness tester combines the special impact device DL and a data processor in a single unit. This model features a needle front section with diameter of 4mm and a length of 50mm. It is suitable for testing the hardness in extremely confined spaces, the base of grooves and of special components such as gear wheels. It can display real time printing or batch printing

TH134 automatically computes all Vickers. Rockwell. Brinell or Shore hardness values of steel and cast steel components. The impact direction can be set so that accurate values can be achieved at different angles. The instrument must be set down perpendicular to the measuring surface. Statistical mean value is automatically provided. Real time printing or batch printing is possible by means of the printer model T A220

Typical Applications

- In suit testing of large and/or heavy component, items already installed as parts of a machine
- During manufacture, especially of mass produced components
- In the stores for material identification
- In locations of difficult access, or in confined spaces
- For quality control in general, fast and very accurate



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Technical Specification TH134

Size:	150 x 22 x 53mm
Impact device:	DL
Test tip:	Tungsten Carbide
Average No. of Readings :	60 000 to 70 000 readings
Measuring accuracy:	mean uncertainty $\pm 1\%$
Hardness conversion to:	HRC, HRB, HV, HS, HB
Material:	Steel and cast steel
Weight:	200g
Power :	2 x 3.6V Nicd rechargeable batteries
Operating time :	8 hours continuous use/rechargeable
Impact direction:	any angle
Operating temperature:	0 to + 45°C
Size of DL-device:	50 x 4mm (L x diam)

Sample Specification

Maximum hardness of sample	950HV
Surface roughness Ra	<2.5 μm (ISO N7)
Min. weight compact shape:	5kg
Min. weight of support:	2kg
Min. weight of coupled on plate:	0.1kg
Min. thickness coupled on plate:	3mm
Min. thickness of layers:	0.8mm

Fields & Application : Steel & Cast Steel

Vickers	80 – 940HV
Brinell	80 – 650HB
Rockwell	20 – 68 HRC
	37 – 100 HRB
Shore	30 – 97HS

Standard delivery

TH134 comes complete with :

- Processor integrated with impact device D
- Test block with HLDL-valve
- Battery charger
- Cleaning brush
- Carrying case
- Certificate
- Manual
- Guarantee Card

