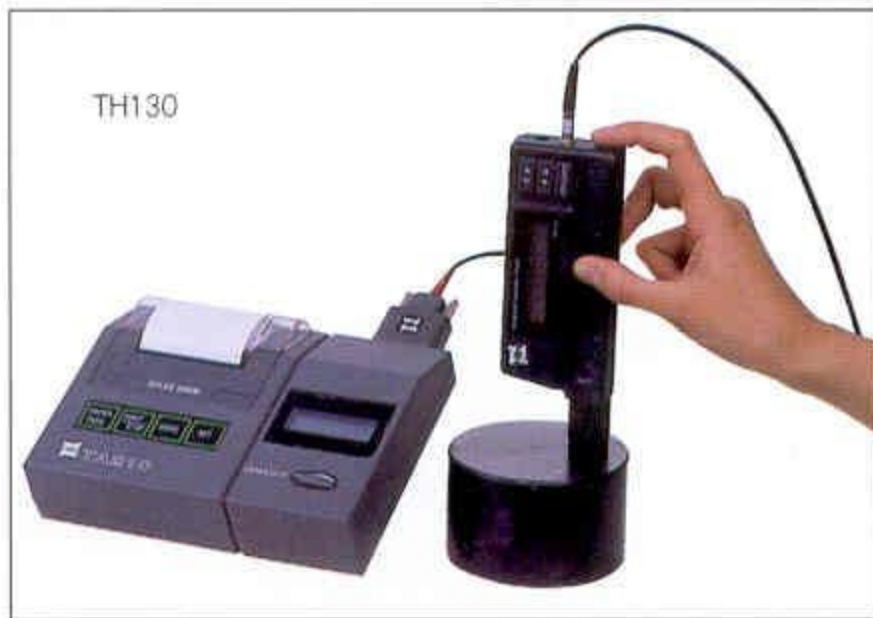


Integrated Portable Hardness Tester TH130



- Hardness Scales: HRC, HRB, HRA, HV, HB, HS & HL
- Combined impact device & digital display –NO CABLES!
- Integrated universal impact device D
- Measures in any direction
- Real time printing or batch printing



Integrated Portable Hardness Tester TH130

TH130 is an advanced integrated hardness tester distinguished by its very compact size, high accuracy, wide measuring range and simplicity of operation. It is suitable for testing the hardness of all metals, and widely applied in many areas of industry.

TH130 hardness tester combines the universal impact device D and a data processor in a single unit. It automatically computes all Vickers, Brinell, Rockwell, or Shore hardness values. The impact direction can be set so that accurate values can be achieved at any angle, even up-side down! Statistical mean value is automatically provided.

The measuring method of **TH130** is defined as "the quotient of the impact body's rebound velocity over its impact velocity". When the tester is connected to its associated printer it can perform real time printing or batch printing. It can also be equipped with optional accessories, such as support rings, to meet the requirements of specialized applications.

Typical Applications

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

Technical Data

- * Size: 150x22x53mm
- * Impact device: D
- * Impact energy: 11Nmm
- * Test tip: Tungsten Carbide
- * Measuring accuracy: mean uncertainty $\pm 0.8\%$ (corresponding to ± 1 HRC at HRC=58)
- * Max. hardness of sample: 980 HV
- * Weight: 130g
- * Operating time: 8 hours continuous use/rechargeable
- * Impact direction: any angle
- * Operating temperature: 0 to 50°C
- * Min.weight of sample: 5kg (less than 5kg to 0.1kg: coupled on solid support)
- * Min.thickness of sample: 5mm (coupled: 3mm)
- * Min.thickness of layers: 0.8mm
- * Min.radius of curved surface: 30mm (with support rings: 11mm)
- * Coupling paste is available for testing thin or small parts weighing less than 2kg

Integrated Portable Hardness Tester TH130



TH130

Materials & Measuring Range TH130 (HL:200-900)

Material	HRC	HRB	HRA	HB	HV	HS
Steel & cast steel	20-68	60-100	59-86	93-674	83-976	32-100
Cold work tool st.	20-67				80-898	
Stainless steel	20-62	46-100		85-655	85-802	
Grey cast iron				93-334		
Nodular cast iron				131-387		
Cast aluminum alloys				27-159		
Copper/Zinc alloys (brass)		13-95		40-173		
CuAl/CuSn alloys (bronze)				60-290		
Wrought copper alloys				45-315		

Support Rings

On curved surfaces having a radius of under 30mm, effective positioning on the workpiece is facilitated by the use of support rings (set of 7). The appropriate support ring is screwed on to the end of the impact device in place of the standard flat support ring. The set includes support rings suitable for bar/tube and grooves up to a radius of 11mm.

Special support rings for convex or concave surfaces can be manufactured.

TH130 comes complete with a testblock, plastic case, charger and instruction manual.