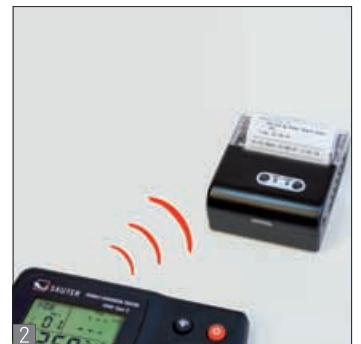




Advanced features for demanding applications



Mobile Leeb hardness tester SAUTER HMM

Features:

- **Impact (rebound) sensor:** The bounce module is accelerated by a spring against the item being tested. Depending on how hard the object is, the kinetic energy of the module will be absorbed. The speed reduction will be measured and converted to Leeb hardness values.
- **External impact sensor** (Type D) included
- **Automatic recognition of the impact (rebound) sensor** connected to the HMM
- **Mobility:** The SAUTER HMM provides a professional and resilient measurement solution wherever required, i.e. production, product control etc.
- **All measurement directions possible (360°)** thanks to an automatic compensation function
- **Data output to PC:** USB output included
- **Wireless IR printer** included for on-site printing of measurement protocols (battery operated)
- **Standard block and support ring** for curved surfaces (Radius > 10 mm)
- **Support rings** for bended testing samples available, on request
- **Delivered in a hard carrying case**
- **Internal memory** for up to 9 data groups, with up to 9 values per group forming the average value of the group
- **Mini statistics function:** Displays the measure value, the average value, the difference between the maximum and minimum values, date and time

- **Measurement value display:** Rockwell (B & C), Vickers (HV), Brinell (HB), Shore (HSD), Leeb (HL), tensile strength (MPa)
- **Automatic unit conversion:** The measuring result is automatically converted into all specified hardness units

Technical data:

- Precision: 1 % at 800 HLD (± 6 HLD)
- Measuring range tensile strength: 375 - 2639 MPa (steel)
- Min. sample weight on a solid and stable support:
Sensor D + DC: 3 kg
Sensor G: 15 kg
- Min. sample thickness:
Sensor D + DC: 8 mm
Sensor G: 10 mm
- Min. sample radius (concave/convex): 50 mm (with support ring: 10 mm)
- Dimensions LxWxH 150x80x30 mm
- Mains adapter external standard
- Optional battery operation, batteries standard (3 x 1,5 V AAA), AUTO-OFF function to preserve the batteries, battery level indicator
- Net weight approx. 0,2 kg

Options:

- **External impact sensor** Type DC. Short impact sensor for tests in holes or hollowed objects, SAUTER AHMO DC

Measuring range hardness: HL with D Sensor (HLD): Min: 170 to Max: 960 HLD			
Material		Applied sensor	
		D / DC	
Steel and cast iron	HRC	Min	Max
	HRB	19,8	68,5
	HSD	59,6	99,6
	HB	26,4	99,5
	HV	440,0	651,0
Tool steel (coldwork steel)	HRC	83,0	976,0
	HV	19,8	68,5
Stainless steel	HRB	83,0	976,0
	HRC	59,6	99,6
	HB	19,8	68,5
	HV	140,0	651,0
Cast iron	HB	83,0	976,0
Nodular cast iron	HB	140,0	334,0
Cast aluminium alloys	HB	140,0	387,0
Brass (copper-zinc alloys)	HB	30,0	159,0
	HRB	40,0	173,0
Bronze (copper-aluminium-tin alloys)	HB	13,5	95,3
Wrought copper alloys	HB	60,0	290,0
	HB	45,0	315,0

STANDARD



STANDARD



OPTION



Model	Readout	Sensor	Option	
			ISO Calibr. Certificate	
SAUTER	[d] HL		ISO KERN	
HMM	1	D	961-131	