ARROWELD
ARROWELD ITALIA SPA

ARW-DPIT

For order **220121968**

Impact hardness tester for metals

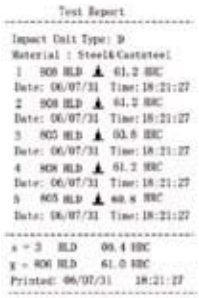
Portable Digital hardness tester "TOUCH SCREEN" compact and easy to use, particularly indicated for the measurement of the hardness of solid surfaces also of great sizes that are difficult to reach with other instruments. Using the method of measurement to bounce method (Leeb test) with the use of an impact type sensor (probe) that can detect the hardness of various types of material and to convert the value in the main measurement scales (Rockwell B, Rockwell C , Brinell, Vickers and calculation of the tensil strenght). The touch screen system and large display allows to obtain a complete visualization of all functions with a quick check and modification of various settings.

Optional certificato di calibrazione ISO

- Measurement system to Rebound (Leeb Test)
- Standard impact probe "D" included
- Accuracy 1% at 800HLD (+/-6HLD) on the smooth surface
- Selectable measurement scales: Rockwell (B & C), Vickers (HV), Brinell (HB), Shore (HSD) Leeb HLD) and tensile strength (MPa)
- Richargeable batteries
- Internal menu language "English"
- Automatic detection of Probe type
- Possibility to carry out the measure in any direction, vertical, diagonal, horizontal and upside down ←↑→↓
- Internal memory for 800 readings (statistics for max.99 readings)

The instrument is supplied with an **IR PORTABLE PRINTER.**
Data printout:
The type of probe used, the material, the direction of impact, the hardness value on the measurement scale leeb "HLD" and the selected scale, the date and time, the average of readings and deviation standard.

PRINT REPORT



STANDARD CALIBRATION BLOCK:
The hardness tester ARW-DPIT is supplied with a test block for the control and calibration of the instrument

TECHNICAL FEATURES

Range HLD	from 0 up to 999 HLD
Accuracy	± 6HL (out of 800 HLD)
Display	large backlit LCD
Resolution	1 HL, 1 HV, 1 HB, 0.1 HRC, 0.1HRB, 1 HSD, 1 MPa
Minimum weight of the sample tested	3Kg (probe type "D")
Minimum thickness of the sample tested	30mm (probe type "D")
Minimum radius of the sample tested	50mm (concave / convex)
	10mm using the adapter (optional)
Power supply	Rechargeable batteries Li-Ion (about 50 hours autonomy)
Outputs	IR, USB
Operating temperature	0°C fino a 50°C (32 fino a 122 °F)
Storage Temperature	-10°C fino a + 60°C (14 fino a 140°F)
Humidity	90% max.
Size	135 x 83 x 24mm (5.3 x 3.2 x 0.9 inches)
Weight	approx. 228g

MEASURE RANGE

Material:		MIN	MAX
Steel and steel alloys	HRC	19,8	68,5
	HRB	59,6	99,6
	HRB	47,7	99,9
	HSD	26,4	99,5
	HB	140,0	651,0
	HB	90,0	646,0
	HV	83,0	976,0
Cutting Tools	HRC	19,8	68,5
	HV	83,0	976,0
Stainless steel	HRB	59,6	99,6
	HRC	19,8	68,5
	HB	140,0	651,0
	HV	83,0	976,0

Material:		MIN	MAX
Iron	HB	140,0	387,0
	HB	92,0	326,0
Ductile iron	HB	30,0	159,0
	HB	32,0	168,0
Alluminium alloys	HB	30,0	159,0
Brass (copper-zinc alloys)	HB	40,0	173,0
	HRB	13,5	95,3
Bronze (copper-alluminium alloys)	HB	60,0	290,0
Copper alloys	HB	45,0	315,0

Measuring range of tensile strength
375 - 2639 MPa (steel)

SUPPLY KIT
- Instrument
- Standard Impact probe type "D"
- Calibration Block
- Rechargeable batteries Li-Ion with adapter
- IR Printer
- Alimentatore
- Adapter ring for small diameters
- Sensor cleaning brush
- 9 pin serial cable and small program for data transfer to PC
- User Manual
- Carryng Case

Optional accessories
- 6 types of probes to impact (D,DC,D+15,DL,C,G)
- Set of support rings for spherical surfaces, concave, convex.