

A NEW GENERATION LEEB HARDNESS TESTER

HARTIP 3210

HARTIP 3210 is a new generation of Leeb hardness tester with more advanced technology and features. The tester applies our new patent dual-coil sensor technology which makes the tester more accurate than old previous model. All probe are no need to setup impact direction. HARTIP 3210 can work with analogy, digital and wireless RF probe. The measuring values can be downloaded to PC and printer by Bluetooth or cable. The HARTIP 3210 also can be powered by USB power supply without battery via PC cable. ●



Advantages

- ✧ Wireless / digital / cable analogue compatible
- ✧ Convert between each hardness scale
- ✧ No need to setup different impact direction
- ✧ Higher accuracy with dual-coil technology
- ✧ TFT large color LCD with pixel 320 x 240
- ✧ Multi color style - fittable under sunshine
- ✧ Multi display mode - statistics, bar graph, etc.
- ✧ Multi save mode for data
- ✧ Multi statistics calculation
- ✧ Print online and screen copy printout
- ✧ Sound reminder
- ✧ Real date and time
- ✧ Recalibration for unified or individual scale
- ✧ Operator, part no., procedure no. record

Specifications

SADT HARTIP 3210		Standard Package
Principle	Leeb hardness measurement	HARTIP 3210 main unit
Accuracy	±0.3% @ HL=800, Repeatability: ±ZHL	Probe D (cable or RF)
Display	2.8" 320 x 240 TFT color LCD - fittable under sunshine	Test block D
Hardness scale	HL / HRC / HRB / HB / HV / HS / HRA / ob	Small support ring
Measuring range	HL100-960 / HRC0.9-83.2 / HRB1-140 / HB1-1878 / HV1-1698 / HS0.5-1370 / HRA1-88.5 / ob(rm)1-6599N/mm²	Cleaning brush
Probe	DC / D+15 / C / G / E / DL (Optional)	PC software
r/f communication distance	10m in space	Operation manual
r/f frequency	2.4GHz	Test certificate
Impact direction	Universal angle type	Carrying case
Materials and conversion curves	11 common metal materials, 60 conversion curves	
Memory	63 files, 100 data for each file, can be saved and re-readable	Optional Accessories
Statistics	Single group analysis -- mean, max., min., extreme deviation, standard deviation, coefficient of kurtosis, coefficient of skewness, percent of pass, column diagram, normality distribution test and uniform distribution test Double group analysis -- significant difference test for mean value, standard deviation, percent of pass and distribution	Cable probe D/DC/ D+15/C/G/E/DL
Re-calibration	Calibration for unified or individual scale	RF Wireless probe D/ DC/D+15/C/E/DL
Indicator	Upper limit / Lower limit / low battery / buzzer warning / date and time	Digital probe D/DC/ D+15/C/E/DL
Language	English, Simplified Chinese, Traditional Chinese, Russian, Korean, French, Italian, German, Turkish, Spanish	Bluetooth micro printer
Communication interface	USB / RS232 / Bluetooth / 2.4G wireless(Optional)	Standard block G
Continous working time	>40 hours	Special support rings
Power supply	1.5V AA alkaline battery x 4 / 1.2V nickel-hydrogen rechargerable battery x 4 / 3.7V Li-ion rechargeable battery x 4 / USB power supply	USB charging cable
Working environment	-10°C~+45°C	USB charger
Dimension (mm)	195 x 84 x 38	USB data cable
Net weight (g)	550	Leather case
Standards	Conforming to ASTM A956, DIN 50156, GB/T 17394-1998	