DIGITAL PORTABLE
HARDNESS TESTER

PG-SHT-121

Bar Graph Display Mode

Impact Curve Display

Multiple Hardness Display Modes

Swiss Type Probe

Colour Options:-

OPTIONAL:-

- Various impact devices such as D, DC, DL, D+15, G, E, C.
- Support Ring set.
- Different Scale Test Block.

Precision Measuring Instruments Co.

Precision

Precision Measuring Instruments Co.
Anand Deep CHS. Flat # 401, 4th Floor
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D PROBE IS STANDARD.

ALL OTHER PROBES ARE OPTIONAL.

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Multiple mode display

Bar graph display mode

Multiple hardness display modes

Impact curve display mode

Production batch number setting

The measured work-piece is numbered by itself to facilitate statistical recording.

Language selection

Multiple languages to meet the needs of different customers

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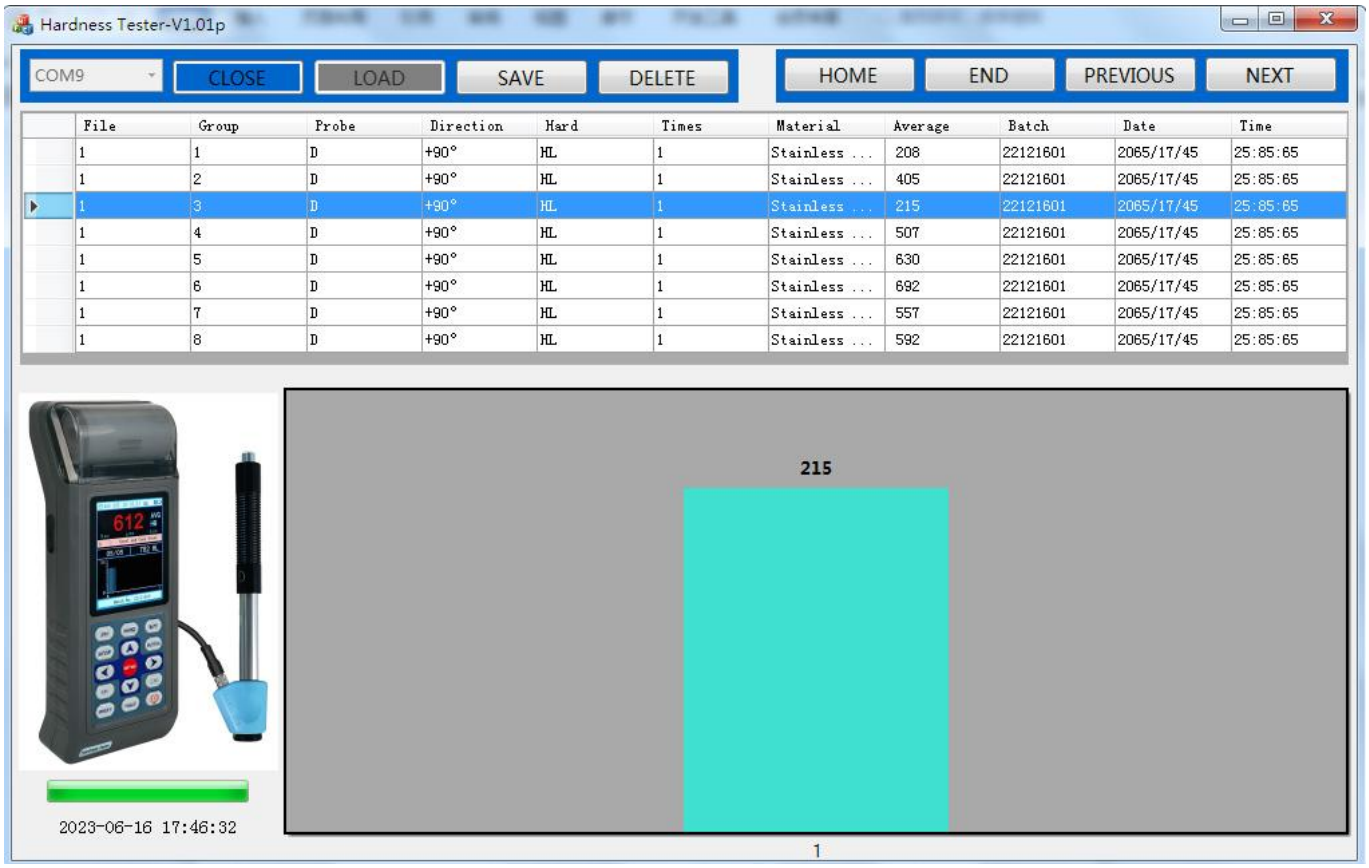
Type-c communication interface

Upper computer software



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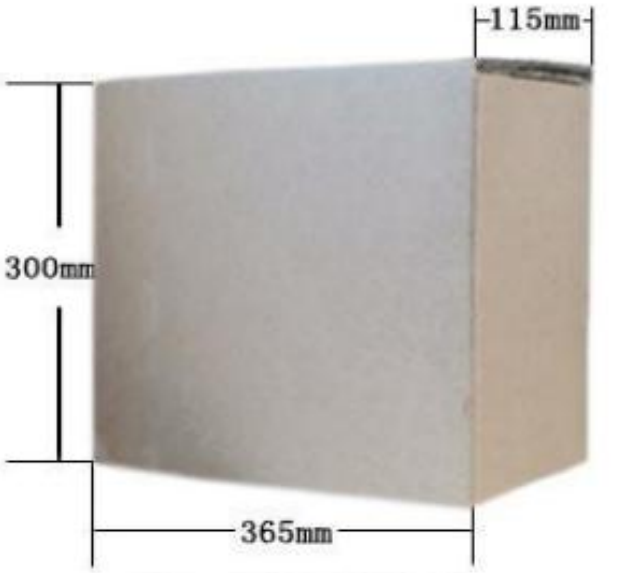
PACK



Weight：5.2KG（Standard configuration）

Functional features:

- Multiple language switching between Simplified/Traditional Chinese, English, and German, with menu based operation.
- Adopt a proprietary dual bin dustproof design to ensure that the main engine bin is not affected by dust;
- Type-c USB and RS485 communication interfaces can easily connect PCs, industrial control computers, or PLCs;
- The main interface displays two hardness scales.
- There are three modes switching on the main interface (histogram mode, full hardness mode, and curve mode).
- The production batch number setting function allows for self-numbering of measured workpieces, facilitating statistical recording.
- Browse for any hardness scale conversion of status measurement data, which is convenient and fast.
- It can be equipped with 7 different impact devices, which do not require recalibration during replacement and can automatically identify the type of impact device.
- Support the measurement of multiple hardness systems and three strength values.

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- Built-in domestic and foreign hardness conversion tables to meet the different needs of customers.
- It can store 510 files, with 46 to 215 groups of single measurement values, average values, measurement dates, impact directions, times, materials, hardness system, and other information for each file (32 to 1 impact times).
- The upper and lower limits of hardness values can be set in advance, and automatic alarm will be given when the limit is exceeded, facilitating the needs of users for batch testing.
- Indication software calibration function.
- Built-in high-performance lithium battery and charging control circuit, with a battery capacity of 2000mA.
- Computer software can be equipped to support data query, storage, statistics, histogram display, and other functions, and stored in Excel format

Main technical indicators:

- Indication error and repeatability

Number	Impact device type	Standard Leeb hardness block hardness value	Indication error	Indication repeatability
1	D	760±30HLD 530±40HLD	±5 HLD ±8 HLD	5 HLD 8 HLD
2	DC	760±30HLDC 530±40HLDC	±5 HLDC ±8 HLDC	5 HLD 8 HLD
3	DL	878±30HLDL 736±40HLDL	±10 HLDL	10 HLDL
4	D+15	766±30HLD+15 544±40HLD+15	±10 HLD+12	10 HLD+12
5	G	590±40HLG 500±40HLG	±10 HLG	10 HLG
6	E	725±30HLE 508±40HLE	±10 HLE	10 HLE
7	C	822±30HLC 590±40HLC	±10 HLC	10 HLC

- Hardness systems: Leeb (HL), Brinell (HB), Rockwell A (HRA), Rockwell B (HRB), Rockwell C (HRC), Vickers (HV), and Shore (HS)
- measuring range HLD（170～960）、HRA（59～85）、HRB（13～100）、HRC（18～68）、HB（19～655）、HV（80～976）、HS（32～100）
- Measuring direction 360 ° (vertically downward, obliquely downward, horizontally, obliquely upward, vertically upward)

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- Measuring materials: steel and cast steel, alloy tool steel, stainless steel, gray cast iron, ductile iron, cast aluminum alloy, copper zinc alloy (brass), copper tin alloy (bronze), pure copper and forged steel
- Display TFT, 320 × 240 TFT LCD screen
- Data storage 510 files, 46 to 215 groups (impact times 32 to 1)
- Communication interface standards USB2.0 (RS232, RS485)
- Charging power supply 5VDC，220VAC
- Charging time 2-3hour
- Battery 7.4V，Li（2000mAh）Battery
- Ambient temperature 0～40℃
- Storage temperature -25～70℃
- The continuous working time is about 20 hours, and the standby time is 80 hours;

Standard configuration:

- Instrument host 1
- D-type impact device 1
- Small support ring 1
- Nylon brush (I) 1
- High value Leeb hardness block 1
- Charger 1
- Factory documents 1

Options:

- Various special-shaped impact devices
- Various special-shaped support rings