

Shore Hardness Tester



Model: HT-6510(A/B/C/D/E/O/DO/OO)

Features

Used to determine the indentation hardness of materials ranging from cellular products to rigid plastics.

It meets standards of DIN 53505, ISO 868, ISO 7619, ASTM D 2240, JISK7215.

* With average calculate, peak value deposit function.

* Use RS-232 data output to connect with PC.

* Provide Bluetooth data output choice.

Specifications

| | |
|-------------------|--|
| Model | HT-6510 (A/B/C/D/E/O/DO/OO) |
| Parameters | Tested Result/ Mean Value/ Max. Value |
| Unit | HA/HB/HC/HD/HE/HDO/HO/HOO |
| Range | 10~90 HA(HB/HC/HD/HE/HDO/HO/HOO) |
| Accuracy | $\leq \pm 1H$ |
| Resolution | 0.1H |
| Battery Indicator | Low Battery Indicator |
| Auto Switch Off | ✓ |
| Operating | Temperature: 0~50°C Humidity: <80%RH |
| Power Supply | 4x1.5V AAA (UM-4) Battery |
| | 2x1.5V AAA (UM-4) Battery(Stand Available) |

| | |
|-------------|--|
| Dimensions | 162x65x28 mm |
| Weight | 170 g |
| Standard | Main Unit |
| Accessories | Pin Length Test Block |
| | Carrying Case(B04) |
| | Operation Manual |
| Optional | Shore Hardness Tester Measurement Stand |
| Accessories | Rubber Hardness Test Block (A / D Type) |
| | RS-232C Data Cable with Software |
| | Bluetooth Data Adapter with Software |

Models & Applications

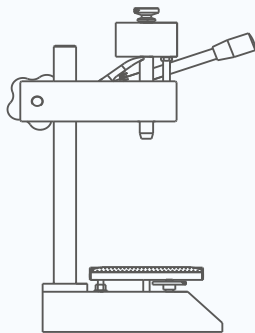
| Model | Indenter | Tested Materials | Hardness Value |
|-------|---------------------|--|-----------------------|
| A | 0.79 Truncated Cone | Soft Rubber, Elastomers, Natural Rubber Products, Neoprene, Resin, Polyester, Soft PVC, Leather, etc. | 20~90A |
| B | R0.1 Cone | Middle Hard Rubber Materials, Typewriter Rollers, etc. | Above 90A, Below 20D |
| C | 0.79 Truncated Cone | Plastics and Middle Hard Rubber Materials | Above 90B, Below 20D |
| D | R0.1 Cone | Fibre Plastics, Hard Rubber, Hard Plastic Materials, Plexiglas, Stiff Thermo Plastics, Formica, Print Roller, Vinyl-plate, Cellulose Acetate, etc. | Above 90A |
| DO | R1.2 Hemispherical | Plastics and Middle Hard up to Hard Rubber Materials | Above 90C, Below 20D |
| O | R1.2 Hemispherical | Soft Elastic Materials, Print Rollers, Middle Firm Textile Fabrics, Nylon, Orlon, Perlon, Rayon | Below 20DO |
| E | R2.5 Hemispherical | Hard Sponge, EVA | Above 90DO, Below 20A |
| OO | R1.2 Hemispherical | Sponge- and Cellular Rubber, Foam Rubber, Silicone, Gel-like Materials | Below 20O |

Model & Hardness

| Soft | Middle | Hard |
|------|-----------------------------------|------|
| | Shore A (20~90A) | |
| | Shore B (Above 90 A/ Below 20 D) | |
| | Shore C (Above 90 B/ Below 20 D) | |
| | Shore D (Above 90A) | |
| | Shore DO (Above 90 C/ Below 20 D) | |
| | Shore O (Below 20 DO) | |
| | Shore E (Above 90 DO/ Below 20 A) | |
| | Shore OO (Below 20 O) | |

Optional Accessories

Shore Hardness Tester Measurement Stand



The Shore Durometer Test Stand is R&D for our shore durometer which can make test more stable and accurate. By acting on weight to cause measuring force, let tip of durometer press to test material to an accurate value.

Rubber Hardness Test Block



A Type

D Type