

BAXLO HT6000 DIGITAL SHORE DUROMETER



Large Backlit Display

Displays at a glance all the necessary information on each measurement: Hardness value, Max. reading, date, time, temperature, measuring time, etc.

Unbeatable data storage Capacity

The instrument can store up to **5000 readings** in the internal memory, so that they can later be transmitted to the computer. Subsequently any type of processing of the data obtained can be carried out: control, register, statistics, etc.

Multiple measurements can be taken quickly and easily saving time and handling costs. Measures can be grouped in batches to arrange further processing of large fruit quantities.

Magic Eye

The programmable Magic Eye LED allows a quick visual check of the fruit sample's optimum hardness.

Reading error reduction

The position reading mechanism of the device is mounted on stainless steel bearings to minimize errors due to friction. The state-of-the-art sensor technology has a resolution of less than 0.5µm.

Micrometric adjustment of the measuring force

Allows unbeatable accuracy and repeatability of the internal force applied in the measurement.

One-piece CNC-machined aluminum body

To manufacture the body of our Firmness Tester, we use a magnesium-silicon aluminum alloy, used in such industries as aeronautics and automotive due to its high resistance, very similar to steel.

TECH SPECS

- Large backlit display 48×24 mm
- Batch measurement.
- Color-coded hardness range indicator in bright Magic Eye LED display.
- User-configurable measurement ranges.
- USB port to transmit and save measuring data individually or in batches.
- Acoustic hardness range indicator.
- Hardness, measurement time, maximum reading, and temperature readings on the same display.
- USB rechargeable battery.
- Battery Autonomy: 150 hours.
- Up to 5000 measurements and associated data storage (date, time, temperature, batch number, etc.)
- Dimensions: 130×72×33 mm
- Weight: 400 gr.
- Measuring range: 0-100 Shore.
- Resolution: 0.1 degrees Shore.
- Power supply voltage: 5Vdc.
- Maximum power consumption: 2W.
- Data transfer: USB cable.
- IP protection class: IP54

MODELS:

CODE	SCALE	IDENTOR SHAPE	SPRING LOAD	APPLICATION
ESCALAS SHORE				
HT6000/A	Shore A	Truncated cone Ø1.25 mm	8050 Mn	Soft vulcanised rubber, elastomers, silicone, neoprene, nitrile, etc. (1)
HT6000/C	Shore C	Truncated cone Ø1.25 mm	44500 Mn	Hard rubber, médium hardness plastics, gypsum, plaster, etc. (2)
HT6000/D	Shore D	30° cone	44500 Mn	Very hard rubber, hard plastics, resins, thermosetting laminates, formica, etc. (1)

SPECIAL SCALES

HT6000/0	Shore 0	Ø2.38 mm hemisphere	8050 Mn	Soft printing rollers, dense foam rubber, eva rubber, soft elastic materials, medium density textile rolls of rayon, nylon etc. (2)
HT6000/00	Shore 00	Ø2.38 mm hemisphere	1111 Mn	Sponge materials, foam rubber, silicone, low-density textile bobbins (2)
HT6000/D0	Shore D0	Ø2.38 mm hemisphere	44500 Mn	Plastics, hard or very hard rubber. Very dense textile bobbins (2).

ASKER SCALES

HT6000/KC	Asker C	Ø5 mm hemisphere	855 gf	Medium-hard rubber, footwear materials, shoe insoles (3)
HT6000/KF	Asker F	Flat Ø25 mm	455 gf	Sponge, Highly porous sponge materials.

(1) According to UNE EN ISO 868, ISO 48-4, ISO 7619, DIN 53.505 y ASTM D-2240 standards.

(2) According to ASTM D-2240 standard.

(3) According to JIS K 7312, SRIS 010 standards.