

INDENTATION HARDNESS APPARATUS

For accurately checking the shore hardness of a wide range of elastomers and plastic materials, the Ray-Ran range of **Durometers** are simply hard to beat.

Since material hardness is a key characteristic of an elastomer and one which can be related to important material properties, it is beneficial to be able to accurately measure the material hardness of a supplied product making them ideal for product design and quality control inspection.

Offered in analogue or digital scales, each durometer can be used handheld or fitted to the Ray-Ran bench mounted Lever Operated Durometer Stand. Each durometer available utilizes the Shore method of hardness measurement and features a spring-loaded indenter module which

is pressed down squarely on the surface of the material to be measured resulting in its shore hardness.

The unique interchangeable modules allow for a wide and useful range of the Shore harnesses scales to be measured on one instrument.

Depending on the material being tested, hardness scales are available to Shore A, B, C, D, DO and OO with each interchangeable module supplied calibrated to the durometer head. The only exception to this interchangeability is the softest Shore OO range due to its very low indenter loads.

The models offered within the Ray-Ran range are the STD226 Digital Durometer and the STD227 Analogue Durometer. Each durometer comes with its own calibration certificate tested to the relevant module, protective carry case, product user manual and 12 months return to base warranty.



INDENTATION HARDNESS (RR/STD226, RR/STD227

TECHNICAL SPECIFICATION

MODEL STD 226 DIGITAL DUROMETER

- Resolution – half of one degree Shore hardness scale
- Easy to use – hand held
- Sturdy, accurate and reliable
- BCD output facility
- Uses 1 x SR44 flat battery
- Multiple Modules with the same instrument head
- Supplied in convenient storage/protective case

MODEL STD 227 ANALOGUE DUROMETER

- Resolution – one degree Shore hardness scale
- Supplied complete with tolerance settings
- Optional maximum hand
- Multiple Modules with the same instrument head
- Supplied in convenient storage/protective case

OPTIONAL ANCILLARIES

- Lever operated bench stand
- Set of 6 coloured rubber reference blocks (shore A only)
- Shore A Scale ASTM D 2240, ISO 7619 & 868, DIN 53505
- Shore B Scale ASTM D 2240
- Shore C Scale ASTM D 2240
- Shore D Scale ASTM D 2240, ISO 7619 & 868, DIN 53505
- Shore DO Scale ASTM D 2240
- Shore O Scale ASTM D 2240

WEIGHTS & DIMENSIONS: INDENTATION HARDNESS APPARATUS

	STD226	STD227
Net Weight (kg)	0.3	0.22
Width (cm)	6.5	3.8
Depth (cm)	2.5	2.3
Height (cm)	15	13.5

INDENTATION HARDNESS TESTING