

Product information **HPE II SHORE**

Hardness tester - manual, digital

Volume of delivery

- hardness tester HPE II
- serial interface cable RS232-HPE II
- operating instructions
- case

Product detail

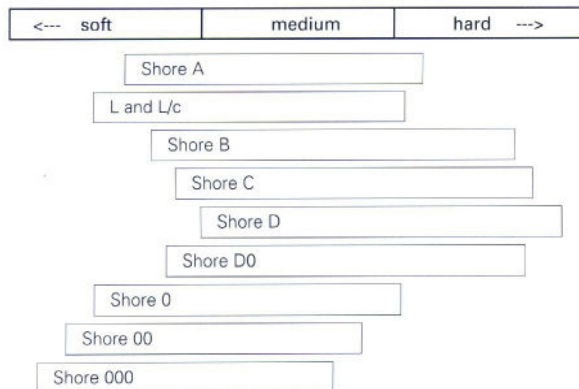
weight of volume of delivery 890 g

dimensions of case
240 x 210 x 55 mm

weight of HPE II 370 g

dimensions of HPE II
160 x 70 x 40 mm

Ranges of Application



Type	Ranges of Application	Standards	Thickness
SHORE A	soft rubber, elastomer, natural rubber products, neoprene, casting resin, polyester, soft-PVC, leather, printing rolls, etc.	DIN EN ISO 868, DIN 53505, ASTM D 2240, ISO 7619, NFT 51-174, BS903 Part. A 26	4 mm 6 mm
SHORE D	hard rubber, hard plastic materials, acrylic glass, Polystyrol, rigid thermoplastics, resopal, printing rolls, vinyl-plates, cellulose-acetate, etc.	DIN EN ISO 868, DIN 53505, ASTM D 2240, ISO 7619, NFT 51-174, BS903 Part. A 26	4 mm 6 mm
SHORE B	medium hard materials of rubber, typewriter rolls, plates	ASTM D 2240	6 mm
SHORE C	plastics and medium hard rubber materials	ASTM D 2240	6 mm
SHORE DO	plastics and medium hard up to hard rubber materials	ASTM D 2240	6 mm
SHORE O	soft elastic materials, printing rolls, medium fast textiles, nylon, orlon, perlon, rayon	ASTM D 2240	6 mm
SHORE OO SHORE OOO	sponge rubber, foam rubber, silicone	ASTM D 2240	6 mm
L and L/c	foamed car parts, steering wheels	PV 3931	6 mm



Technical Details

Type	spring force (cN)	contact pressure/ pressure weight	indenter	distance (mm)	range
Shore A	806,50	12,5 N	truncated cone 35°	2,5	0 - 100
Shore D	4450,00	50,0 N	tip 30°	2,5	0 - 100
Shore B	805,00	1 kg	tip 30°	2,5	0 - 100
Shore C	4445,00	5 kg	truncated cone 35°	2,5	0 - 100
Shore D0	4445,00	5 kg	ball 3/32"	2,5	0 - 100
Shore 0	805,00	1 kg	ball 3/32"	2,5	0 - 100
Shore 00	111,10	400 g	ball 3/32"	2,5	0 - 100
Shore 000	111,10	400 g	ball r = 6,35 mm	2,5	0 - 100
L and L/c	806,50	12,5 N	ball Ø 5 mm	2,5	0 - 100

ACCESSORIES AND EXPANDABILITIES

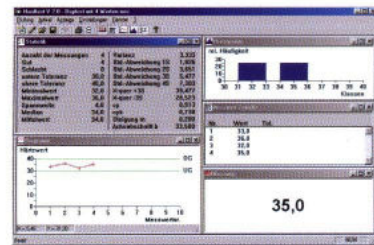
DATA LOGGER:

- A 2 - lined LC-display informs about the series of measurements, measuring procedure, measuring result and numbers of stored measured values
- resolution of 0,5 Shore
- tolerance limits, series of measurements, data out-put, baud rate and language are adjustable
- automatic switch off time after 10 minutes
- measuring time adjustable between 0 and 99 seconds
- data out-put for processing via printer or PC
- measurement and statistical evaluation in 10 series of measurements
- memory for 2000 measured values
- 8-hour operation by accumulator



HARDTEST FOR WINDOWS -- SOFTWARE FOR:

- graphical representation, logging and management of articles
- statistical evaluation, processing of measured values on PC
- with cable for connection and adapters
- for **WINDOWS 95 / 98 / 2000 / NT / ME / XP**



RADIO TRANSMISSION OF THE MEASURED VALUES TO PC

- complete system
- plug-in power set, receiver HF-MS-M, sender FH-MS-Sx
- minimum range of 15 m
- in connection with Hardtest for WINDOWS



07/05 Subject to technical changes without notice