QC-GS Fixed-pressure Load Stand
QC-GS Durometer

Standard

ASTM D2240 ISO 868 DIN 5305 JIS K 7215-1992 JIS S 6050

Description

Durometer is suitable for soft material such as nonmetal. Applying the specified force on the standard material plate, and the hardness of the material can be obtained by reading the values on the pointer. Different hardness materials have different specimen area and thickness requirements. The test must be done 5-10 times to do the average so that the hardness of the material can be correctly recorded.

The load stand can provide an accurate load and increase measurement accuracy and reproducibility when measuring hardness. After pressing the specimen flat, read the highest value at the first time or read the second value within a period of time. Test at least 5 point of position and to get average value. For the range of specimen thickness and the point of measurement, please refer to specification below.

Applied Industry

Rubber, Plastic, Textile

Appearance







Specification

Load Stand Holder

Model	QC-GSA
Item	Fixed-pressure Load Stand
Loading weight	1kg, 5kg (optional weight)
Test stroke	100~450mm
Dimension	16 × 12 × 26 cm
Weight	4.6kg
Mounting hole	M6 (or specified)
Test bench diameter	Ø105 mm

Durometer

Model	GS-709N	GS-702N	GS-701N
Type	A-type	D-type	C-type
Application	General rubber, plastic SHORE D < 20	Plastic (Hard) SHORE A > 90	Foam(PU)
Accuracy	±1 degree		
Indenter type	Needle tip Ø0.79 mm 35° Conical type	Needle tip R0.1 mm 30° Conical type	Ø5.08 mm Hemispherical type
Specimen thickness	Above 6 mm		Above 10 mm
Required Load	1 kg	5 kg	1 kg
Standard reference	JIS K 7215-1992 / ASTM D 2240 / ISO868 DIN 53505 (SHORE A / SHORE D)		SRIS-0101-1968 JIS S 6050

***Cometech reserves ultimate modification right of product specification**

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