Compliance with ASTM D 2240 standard
Durometers for hardness test of rubber characteristic

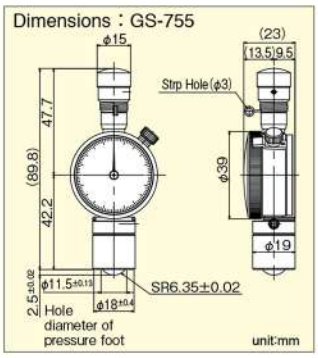
Analog
Digital

ASTM (American Society for Testing and Materials) is historically old and various types of dorometers are prescribed. Teclock provides all of this ASTM durometers for the usage of hard material application to ultra soft material application in our line up.

GS-750G
Type B Durometer
Medium-hard rubber

GS-754G
Type OO Durometer
Very soft rubber

GS-755
Type OOO Durometer



Specifications

	Model	Type	Application / Materials	Conform Standards	Spring Load Value 0-100	Indentor Shape (mm)	Indentor Height (mm)	Weight (g)
Analog	GS-750G	Type B (Peak Pointer type)	Medium-hard rubber	ASTM D 2240	550-8050mN (56.1-821.1gf)	Conical corn of R 0.1 with 30° angle	2.50	208
Analog	GS-751G	Type C (Peak Pointer type)	Hard rubber	ASTM D 2240	0-44450mN (0-4533gf)	Truncated cone of φ 0.79 with 35° angle	2.50	208
Analog	GS-752G	Type DO (Peak Pointer type)	Medium-hard rubber	ASTM D 2240	0-44450mN (0-4533gf)	Hemisphere of SR 1.19	2.50	208
Analog	GS-753G	Type O (Peak Pointer type)	Soft rubber	ASTM D 2240	550-8050mN (56.1-821.1gf)	Hemisphere of SR 1.19	2.50	208
Analog	GS-754G	Type OO (Peak Pointer type)	Very soft rubber	ASTM D 2240	203-1111mN (20.7-113.3gf)	Hemisphere of SR 1.19	2.50	208
Analog	GS-755	Type OOO	Very soft rubber	ASTM D 2240	203-1111mN (20.7-113.3gf)	Hemisphere of SR 6.35	2.50	125
Digital	GSD-750K	Type B	Medium-hard rubber	ASTM D 2240	550-8050mN (56.1-821.1gf)	Conical corn of R 0.1 with 30° angle	2.50	313
Digital	GSD-751K	Type C	Hard rubber	ASTM D 2240	0-44450mN (0-4533gf)	Truncated cone of φ 0.79 with 35° angle	2.50	313
Digital	GSD-752K	Type DO	Medium-hard rubber	ASTM D 2240	0-44450mN (0-4533gf)	Hemisphere of SR 1.19	2.50	313
Digital	GSD-753K	Type O	Soft rubber	ASTM D 2240	550-8050mN (56.1-821.1gf)	Hemisphere of SR 1.19	2.50	313
Digital	GSD-754K	Type OO	Very soft rubber	ASTM D 2240	203-1111mN (20.7-113.3gf)	Hemisphere of SR 1.19	2.50	313

TECLOCK Original Standard Durometer

Analog
Digital

This is available as TECLOCK original standard based on customers' requirement, even though they are not prescribed in JIS or ISO. Type E 2 durometer for soft rubber with around half of spring load value of Type E, and Type FO to measure hardness of polystyrene sponge for the level of sponge for washing dishes are available.

Hardness is measured by placing GS-744G on the sponge sheet. Dispersion of polystyrene level can be judged.

GS-743G
Type E2 Durometer
Soft rubber

GS-744G
Type FO Durometer
Soft styrene foam

Specifications

	Model	Type	Application / Materials	Conform Standards	Spring Load Value 0-100	Indentor Shape (mm)	Indentor Height (mm)	Weight (g)
Analog	GS-743G	Type E2 (Peak Pointer type)	Soft rubber	TECLOCK E2	550-4300mN (56.1-438.6gf)	Hemisphere of SR2.50	2.50	208
Analog	GS-744G	Type FO (Peak Pointer type)	Soft styrene foam	TECLOCK FO	550-4300mN (56.1-438.6gf)	Cylindrical cone of φ 25.2	2.50	500
Digital	GSD-743K	Type E2	Soft rubber	TECLOCK E2	550-4300mN (56.1-438.6gf)	Hemisphere of SR2.50	2.50	313
Digital	GSD-744K	Type FO	Soft styrene foam	TECLOCK FO	550-4300mN (56.1-438.6gf)	Cylindrical cone of φ 25.2	2.50	500

JSR ENTECH CO.,LTD (Yotse Brance)
222/29-32 Bumrungmuang Road, Thepsirin, Pomprabsatrupai,
Bangkok 10100 THAILAND.
E-Mail: jetco@jet.co.th, akaraphol@jet.co.th