Shore® Digital Micro Hardness Model 719: Description

The Shore® S1 Micro Hardness Model 719 Digital Durometer revolutionizes durometer hardness testing by utilizing state-of-the-art technology. A highly accurate force and displacement measuring system assures consistent results with accuracy and repeatability. The Shore® S1 modular design provides for the ability to change test probes for multi-scale testing.

The Model 719 is a complete, ready to use, digital testing system. It is supplied with the S1 display head, S1 type M probe, base adapter, rubber test block kit, 6 inserts to accommodate various o-ring diameters, oil, and a dust cover.

The Shore® S1 Micro Hardness Digital Durometer is designed for accurate, repeatable hardness determinations on elastomeric specimens that are too thin or irregularly shaped to be tested with a typical durometer.

It is capable of accurately measuring specimens as thin as 1.25 mm. The specially designed indentor and hydraulically controlled test stand minimize material deformation, improving both repeatability and reproducibility.

The Shore® S1 Micro Hardness Model 902-719 Digital Durometer features the Model 902-S1 Automatic Operating Stand. The Model 902-S1 offers fully automated operation, providing consistent load, controlled rate of descent and a downward motion dwell time adjustable from 1 to 25 s using the timer integral to the S1 Micro Hardness Durometer.

The Models 719 and 902-719 conform to the recently revised editions of ASTM D2240 and ISO 7619 which now include the *Type M (Micro Hardness)* durometer. Please read a summary of the this, and other, significant developments in DuroMatters: Basic Durometer Testing.

Shore® Digital Micro Hardness Model 719: Features

The Shore® Digital Micro Hardness Model 719 features include a:

- Unique system of o—ring fixtures with interchangeable inserts tailored to accommodate standard cross—sectional diameters from 1.78 mm to 6.99 mm (0.070 — 0.275 inch). Special sizes are available upon request;
- Flat insert which allows testing of irregularly shaped and flat thin specimens;
- Modular design providing the ability to switch durometer types by changing pre-calibrated probes;
- Operating Stand which is constructed of durable stainless steel and cast iron, and features a hydraulic dashpot, adjustable table height and precision rack and pinion;
- Test Block Kit designed for checking the state—of—calibration;
- High contrast LCD display with backlighting and large easy to read numbers;
- Test counter which automatically counts the number of tests and number of parts;
- Data acquisition system (onboard) for calculation of the average (or median) of results, and minimum / maximum tolerance settings;
- Memory (onboard) which stores up to 256 results to recall or print as required;
- RS-232C serial port that connects to a printer or computer for analysis and processing of stored data;
- 1 to 25 second adjustable dwell time;
- Choice of 120 VAC or battery operation;
- Low battery indicator and automatic sleep mode feature for extended battery life;
- Vinyl dust cover.

Shore® Digital Micro Hardness Model 719: Specifications & Pricing

Indicator:	Scale: 0—100 Display: illuminated (backlit) LCD Resolution: 00.1 durometer points
Standards:	ASTM D2240 (Type M) ISO 7619 Type M
Physical Specifications:	
Throat Depth:	25.4 mm (1.0 inch)
Throat Height:	25.4 mm (1.0 inch)
Specimen Table:	95 x 55 mm (3.7 x 2.2 inch)
Indentor Diameter:	0.7874 ± 0.025 mm (0.031 ± 0.001 inch)
Indentor Extension:	1.25 ± 0.02 mm (0.049 ± 0.001 inch)
Weight:	13 lb. (5.9 kg)
List Price (Manual Stand):	Please Submit a RFQ (#9130-032)
List Price (Automatic Stand):	Please Submit a RFQ (#902-719)
Durometer Replacement:	Please Submit a RFQ (#9130—273)
Manual Operating Stand Replacement:	Please Submit a RFQ (#9130—243)
Automatic Operating Stand Replacement:	Please Submit a RFQ (#9130—244 / 110 VAC)
Automatic Operating Stand Replacement:	Please Submit a RFQ (#9130—245 / 220 VAC)
Special (custom sizes) inserts for the specimen platform are available by request.	

Corporate Consulting, Service & Instruments, Incorporated
221 Beaver Street • Akron, Ohio 44304 USA
Telephone: 800.742.8535 / 330.376.3600 • Facsimile: 800.229.9329 / 330.376.8500
• WWW.CCSI-INC.COM • WWW.ORECOZONE.NET •