



REBOUND CHECK

SCHOB TYPE REBOUND TESTER FITTED WITH TOUCH-SCREEN DISPLAY SYSTEM FOR THE CALCULATION OF THE RESILIENCE OF ELASTOMERS WITH HARDNESS BETWEEN 30 AND 85 IRHD.

STANDARDS: ASTM D7121; ISO 4662;

NOTE: COMPLIANCE WITH SOME STANDARDS MAY REQUIRE OPTIONAL ACCESORIES OR SETUPS.



The Resilience is the ratio between energy yield and energy applied in the impact between the instrument's hammer and the specimen. This measure provides useful indications regarding the dynamic behavior of an elastomer. The characteristics of the specimen, of the hammer and of the fixing tool are defined by the standards to

ensure repeatable results. The measurement is performed by measuring the rebound angle of the hammer following the impact. The instrument provides direct reading of the resilience value. **The touch-screen display** permits to:

- calculate mean and standard deviation of the results
 - calibrate the angle reading of the instrument
 - export the data
- The sample holder**, conforming to ISO 4662 and ASTM D 7121 standards, is supplied with a tool for easy insertion and removal of the sample.

Test method: Recording of 5 test results (Rebound %) and automatic calculation of mean and standard deviation.
Sensitivity: 0.2 %
Control Display: Touch Screen display for instrument setup and results display; The display permits to:

• display the results of 5 tests made on the sample
• calculate mean and standard deviation of the results
• calibrate the angle reading of the instrument
• export the data
Display Dimensions: External dimensions W 92 x D 150 x H 30 mm - Usable Area 60 x 100 mm
Data transmission (option): Software, compatible with Windows 10, for import of test results and data storage into SQL database. ; The connection between the instrument and the pc is made with USB cable.



Instruments srl - Import Data Rs232				
File Database Setting Connection Help				
New				
End				
Print				
Connect				
COM 2				
Hardness-ShoreA Matr. AHA DIG111				
Shore A RS232				
Order :	Order : 001		Operator : Administrator	
Lot :	Lot : 001		Customer : Customer 01	
Batch :	Batch : 1		Product : Compound 01	
N° Test	SH 3 Sh	SHlni Sh		
Max :	54.8	0.0		
Min :	50.8	0.0		
32	0051.9	0053.8		
34	0052.3	0055.0		
36	0052.4	0055.1		
38	0052.4	0055.3		
39	0052.0	0055.9		