

TIME®543X Series SHORE HARDNESS TESTER



TIME 5430



TIME 5431



TIME 5432



TIME 5432C



TIME 5433

Features

- TIME®5430 Shore A hardness tester for testing the hardness of soft rubber, plastics and other elastomeric materials
- TIME®5431 Shore D hardness tester for testing the hardness of hard plastics and rubbers.
- TIME®5432 Shore AO hardness tester is mainly used to test soft materials like low hardness rubber and sponge.
- TIME®5432C hardness tester for testing microporous materials for shoes made of rubber and plastic.
- TIME®5433 Shore AM hardness tester is designed to test thin samples such as vulcanized rubber and plastic products.
- It adopts LVDT displacement sensor, which is accurate and can work in harsh environment
- The OLED screen clearly shows the hardness value. Menu operation.
- Automatic Zero point calibration.
- Three work modes to meet varied testing requirements: real-time, peak-value-lock and timing-lock.
- In peak-value-lock mode, the instrument can automatically lock the peak hardness value.
- In timing-lock mode, set the timing from 1 to 60 seconds. It automatically starts timing and locks the measured value.

●In the lock modes, the upper and lower limits of the measured value can be preset, and a prompt is displayed when out of the limit, which is convenient for batch detection. It can also calculate the average value and automatically removing gross errors.

●Store 200 average lock values.

●Optional software is offered to transfer the test data to PC via USB in the format of Microsoft Word or Excel.

Technical Specification

Model	TIME [®] 5430 (hardness<20HD)	TIME [®] 5431 (hardness >90HA)	TIME [®] 5432 (hardness<20H A)	TIME [®] 5432 C	TIME [®] 5433 (thickness: <6mm)
Hardness scale	Shore A	Shore D	Shore AO	Asker-c	Shore AM
Data output	USB				
Measuring range	0~100HA	0~100HD	0~100HAO	0~100Hc	0~100HAM
Tolerance	±1HA(20~90)	±1HD(20~90)	±1HAO(20~90)	±1Hc(20~90)	±1HAM(20~90)
Display resolution	0.1HA	0.1HD	0.1HAO	0.1Hc	0.1HAM
Power supply	Built in rechargeable battery				
Operating temperature	0~40℃				
Continuous working time	24 hours				
Dimensions (mm)	173×56 ×42	173×56 ×42	173×56 ×42	168×56 ×42	173×56 ×42
Weight (g)	200	200	200	249	200

Standard deliveries

●Main unit	1
●Test block	1
●Power adapter	1
●Operation stand for TIME5431	1
●TIME certificate	1
●Instruction manual	1

Optional Accessory

●Communication cable

- Operation stand (except TIME5433)(As follow)
- Software

TIME®A52X OPERATION STAND



Standard Delivery

- Operating stand 1
- Handle 1
- Weight 1
- Connecting rod 1
- TIME certificate 1
- Instruction manual 1

Features

- TIME®A521 for TIME5430/TIME5432/TIME5432C
- TIME®A522 for TIME5431
- TIME®A523 for TIME5433
- With the operating stand, users can get good measurement accuracy and repetitiveness
- Constant measurement force eliminates the errors caused by artificially applied different forces
- The operation handle evenly applies the force to the sample; adjust the testing height to meet the measurement of different sample thickness

Technical Specification

Model	TIME®A521/TIMEA®522/ TIME®A523
Max. thickness of sample(mm)	80

Max. diameter of working table(mm)	Ø116
The Max. Lifting displacement(mm)	24
Max. touch distance between pressure foot and working table(mm)	0.05
Dimensions (mm)	420×200×170
Weight (kg)	TIMEA521: 18 TIMEA522: 22 TIMEA523: 17