



Digital Shore AM Durometer TIME®5433

The TIME®5433 is a digital Shore AM durometer and the newest member of the TIME®543X series with the same appearance and basic functions. With the AM type needle it tests thin samples in the ordinary hardness range such as vulcanized rubber and plastic products; for samples thinner than 6 mm the TIME®5433 is recommended. The instrument has a small spring force and the indenter protrudes only 1.25 mm. For a stable test process the measurement should be performed on the optional TIME®A523 operating stand. The LVDT displacement sensor ensures accurate readings and can be used at up to 90 % relative humidity. The OLED display with menu operation clearly shows the readings. Three work modes (real-time, peak-value lock and timing lock) cover varied testing requirements, and up to 200 average values can be stored. The data can be transferred to a PC via USB with the optional software.

Features

- Digital Shore AM durometer for thin samples in the ordinary hardness range, e.g. vulcanized rubber and plastic products
- Recommended for samples with a thickness below 6 mm
- Small spring force, indenter protrudes only 1.25 mm; testing on the TIME®A523 operating stand recommended
- LVDT displacement sensor: accurate, usable at up to 90 % relative humidity
- OLED display with menu operation
- Automatic zero-point calibration
- Three work modes: real-time, peak-value lock and timing lock (1 to 60 s)
- Upper and lower limits can be preset, prompt when out of limit for batch testing
- Average calculation with automatic removal of gross errors
- Memory for 200 average values
- USB data output, optional software for export to Word or Excel
- Battery level indication with low-voltage warning, adjustable automatic power-off, more than 24 hours of continuous operation

Scope of delivery

- Main unit
- Test block
- Power adapter
- Instruction manual

Technical Data

Parameter	TIME®5433
Hardness scale	Shore AM
Sample thickness	< 6 mm
Measuring range	0–100 HAM
Tolerance	$\leq \pm 1$ HAM (20–90 HAM)
Resolution	0.1 HAM
Data output	USB
Memory	200 average values
Power supply	built-in rechargeable lithium battery
Continuous working time	24 hours
Operating temperature	0–40 °C
Dimensions	173 × 56 × 42 mm
Weight	200 g
Optional accessories	Communication cable, operation stand, Dataview software

Technical changes reserved.