

### Digital Durometer HPE-II Series

High-end Durometers with the highest quality and accuracy on the market

For Hardness Tests in A, D, B, O, OO, OO, C, and DO scales

HP-E II Series Durometers are high-end digital hardness testers for accurate and repeatable hardness measurement of rubber, plastics and other elastomers within the Shore A, D, B, O, OO, OOO, C, DO scales and much more.

The new generation of HPE digital durometer offers extended range of applications as well as data logger and a new innovative radio data communication feature, which makes the HPE Series the most technologically advanced digital durometers on the market at a reasonable price.

This portable handy instrument is available in the widest range of scales including Shore A, B, O, OO, OOO, D, C, DO and L, L/c as well as Asker C, CS, F, and BARCOL.

HPE II can be conveniently used in any vertical or horizontal position, and also in hard to reach areas. This unit can be used with the optional test stand as a bench-top laboratory Shore durometer.

The patented pressing mechanism, integrated into the HPE digital durometer, ensures a constant contact pressure according to standard, eliminating measuring errors caused and influenced by tilting or slope contact. The electronics is made into a robust and rugged aluminum shell, while the operation is done via a clearly arranged keyboard with an easy to read display. With using two buttons, the instrument is switched on and off and the measuring time can be adjusted from zero to 99 s. A flashing display indicates the current real-time measurement; while a beep signal announces the end of the measurement. The measured value will be shown on the display until the next measurement, and subsequently the measured value can be transferred to PC or printer via the RS232-interface.

An easy to exchange battery with a lifetime of more than 2,000 hours is that is needed for keeping the HPE digital durometer running. A durable case, a PC cable and a detailed operating manual is included as the standard configuration.

As data-logging options, the users can have the following two possibilities:

- A data logger, which can store up to 200 measured values per series of measurements, for further statistical evaluations. In total 10 series of measurements are available, and data transfer to a serial printer or PC is also possible.
- A radio transmission, where the measured values of the HPE digital durometer are sent through a transmitter to a receiver, which is attached to the RS232-interface of the PC/Laptop. On PC, the collected data can be further processed using the advanced HardTest data management software, or can be directly imported into other statistical programs. An additional program allows direct reading of the data in Microsoft Excel.

As optional accessory for HPE Digital Durometer you can have attachable prisms for hardness test on rollers and/or round cords.

#### Highest Accuracy

The 0.5% accuracy of our HP-E series digital durometers, makes them the most precise products in the market.

#### Competitive Pricing

Our HP-E series digital durometers are amongst the most economical digital durometers in the market. However for a less expensive option to our digital durometers, you may want to consider our analog durometers with absolute precise accuracy.



HPE II Digital Durometer with optional radio transmission and HardTest software



HPE II Digital Durometer



HPE II Digital Durometer with optional Test stand and Data Logger



HPE II Digital Durometer with optional Data Logger