

HPE III L

WITH CENTERING DEVICE

EN

ASTM
D2240

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Digital hardness tester with special centering unit and holder for hardness measurements on foamed materials of motor vehicle steering wheels.



To determine the hardness of foamed materials used in the steering wheels of motor vehicles, with plastic or leather covers, we recommend using our HPE III L. With its short measuring path and the small 5 mm indentation ball, this digital handheld hardness tester was especially designed for materials with thin layers.

The hardness tester can be easily placed on the steering wheel and aligned in the middle with the help of the associated centering unit. The weight attached to the measuring bracket will load the test device with a defined force. Thus, constant conditions are guaranteed, even in the situation that you will perform several measurements along the circumference of the steering wheel. After the measuring time has concluded, the HPE III L will announce the successful measurement process through an acoustic signal, showing the determined hardness on the display.

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MAIN CHARACTERISTICS



TECHNICAL SPECIFICATIONS

Center Device

 **Measurements** W x D x H: 560 x 280 x 180 mm

 **Weight** 2,7 kg

Holder

 **Maße** D x H: Ø 200 x 140 mm

 **Weight** 3,8 kg

SCOPE OF DELIVERY

HPE III L hardness tester

Centering unit for steering wheels with adapter sleeve and measuring bracket

RS-232 data cable

Battery

Operating manual

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ACCESSORIES



Control rings with DAkkS calibration certificate

The measuring path of the hardness tester, within the defined hardness range, is monitored with the help of the control rings.



Software

The software controls the hardness and hysteresis measurement processes undertaken with Bareiss testing devices.



Reference elastomer blocks with DAkkS calibration certificate, single set/set of 3 or 6

Reference elastomer blocks can be used to check the indenter and measuring path of the hardness tester according to DIN ISO 48.



Facility calibration certificate



Battery

REFERENCE

The HPE III L with centering unit was especially designed for hardness measurement on steering wheels. Alternatively, you can use our hardness testers for vehicle interiors and the Bauchometer to determine the surface tension of various parts found inside a vehicle, made from foam, with a flexible outer skin and a hard base shell.

MADE IN GERMANY SINCE 1954.

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Deutsche
Akkreditierungsstelle
D-K-15206-01-00

The accreditation is valid for the scope listed in certificate D-K-15206-01-00 (mechanical measurands in the range of hardness).