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Press information

Hand-held hardness testing at its best: the new MITUTOYO Hardmatic HH-300 durometers

The Japanese metrology specialists MITUTOYO promote and expand their range of hardness testing machines. The introduction of a new, refined generation of the portable Hardmatic HH-300 durometers is a logical step. Like the predecessor, the new series comes in analogue and digital types.

Neuss, March 2015. Hand-held hardness testers have proven their versatility and their fast yet reliable applicability throughout the branches for many years. Now MITUTOYO, the Japanese manufacturer of precision dimensional measuring equipment, launches a new generation of their tried and tested portable hardness testers of the Hardmatic HH-300 series. The portable devices are especially suitable for measuring the hardness of natural rubber, neoprene, polyesters, PVC, leather, nitrile rubber, wax, vinyl, cellulose acetates or glass polystyrene according to the Shore hardness scales A, D and E. Also, various measurement locations on the specimen can be used, such as a flat surface, a hole, or the bottom of a groove. The 10 models of hardness testers in the HH-300 Series support various hardness measurement standards.

The new Hardmatic HH-300 series are at the customers' disposal in an analogue dial type and a digital "Digimatic" version with different indenters and the choice of a long or compact type with rectangular or round pressure foot. The dial type Hardmatic HH-300 is equipped with a retaining hand for holding the peak for easy readout after measurement execution. The scale graduation of the Digimatic type changed from 0.5 in the case of the predecessor to now 0.1.

The Digimatic types feature a data hold function for comfortable readout of the results and a zero-setting trigger. The GO/±NG tolerance judgement function supports quick workpiece sorting, the Digimatic interface grants reliable data transfer to a PC. A function lock protects the devices against unauthorized use and tampering.

Along with the new Hardmatic HH-300 models, MITUTOYO offers a comprehensive range of helpful optional accessories like testing stands in various versions as well as a Digimatic mini processor for easy and quick data collection and processing.

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