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Materials Testing

Product Information
BARCOL Hardness Tester

Range of application

The Zwick Barcol tester is a digital hardness tester that is especially suited for performing tests on level and lightly curved specimen to DIN EN 59 and ASTM D 2583, see below:

- Glass fibre reinforced plastics
- Duroplasts
- Hard thermoplasts
- Semi-finished and finished parts
- Aluminium

The Zwick Barcol Tester consists of a Barcol indenter and a Barcol electronics unit.

A 2-line display informs you about the measurement row, measurement procedure, measurement result and number of saved measured values with a resolution of 1 Barcol.

Tolerance limits, measurement row, data transmission, shut down time, baud rate and language can be adjusted individually. The measurement time can be set between 0 and 99 seconds. The measurement values can be transmitted to a printer or PC via a V24 RS232 C interface for further processing. The test data memory encompasses 2000 measured values. Offline operation is possible for up to 8 hours.

The indenter has a truncated cone of which is made of hardened steel and has an angle of 26 degrees and a flat tip with a diameter of 0.157 mm. The measurement path is 0.76 mm.

The Barcol test stand is used to hold the Barcol hardness tester and to run series tests. The mounting device allows the hardness tester to be clamped rapidly and simply.

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Zwick Barcol tester

Description	Order item
Zwick Barcol test stamp according to DIN EN 59, ASTM D 2583 for connection to electronic unit, incl. calibration plate	**H04.3350.200**
Electronic unit for Zwick Barcol test stamp, incl. interface V24 RS232 C, cable for connection with test stamp, power supply and case	**H04.3350.100**

Test stand

Description	Order item
Test stand for Zwick Barcol test stamp, with supporting arm for determination of Barcol hardness, incl. dust cover	**H04.3350.300**

Test certificate

Description	Order item
Manufacturer's test certificate „M“ to DIN 55350, part 18, no. 4.2.2., monitoring the spring characteristics, checking the indenter, complete monitoring of the measurement paths of Shore hardness 0 - 100 according to ISO 9000	**H04.3110.097**

Official DKD calibration certificates on request