

**Universal hardness testing machine NEXUS, Type: 7701**

Order data

Order number	495085 7701
GTIN	2050001957306
Item class	49G

Description**Version:**

Universal hardness testing machine with video measurement system. IMPRESSIONS™ advanced. Test load application within the closed control loop (load cell, closed loop system). The built-in 18 Megapixel camera with zoom function, autofocus and intelligent image evaluation ensures quick and accurate measurement of the test impression. The IMPRESSIONS™ software controls the test procedures automatically and offers a fully automatic image evaluation of the hardness test impression together with archiving of the measurement results. Integral high-resolution industrial touch screen.

Application:

The NEXUS 7700 universal hardness tester can be used for all hardness testing to Brinell, Vickers, Rockwell, Super-Rockwell and Knoop. In addition, plastics hardness testing (ball impression) and tests to HVT and HBT can be performed.

Standard:

EN ISO 6506-1, EN ISO 6507, EN ISO 6508, EN ISO 4545 und ASTM E-18.

Supplied with:

IMPRESSIONS™ test software, 6.3× and 10× lenses, clamping cap, test table Ø 80 mm, Rockwell cone 120 degrees, Vickers pyramid 136 degrees and ball holder 2.5 mm including ASTM and ISO test certificates.

Note:

Delivery and shipping packaging are invoiced separately. DAkkS calibration optionally can be performed on site. For large Brinell impressions, an additional 2.8× lens and ring lamp are required.

Calibration: Price on request

Display: LCD touch screen

Test procedure: Brinell, Vickers, Rockwell, Super-Rockwell, Knoop, HVT, HBT, ball impression hardness

Interface: 4×USB, RJ45 (LAN), W-LAN

Operation: motorised, automatic

Main load test force: 0.5 - 250 kg

Test force dwell time: 1 - 99 s

Technical description

Interface	4×USB, RJ45 (LAN), W-LAN
maximum sample width	220 mm
Width	300 mm
Display	LCD touch screen
Length	685 mm
Test force dwell time	1 - 99 s
Weight	178 kg
maximum sample height	320 mm
Operation	motorised, automatic
Main load test force	0.5 - 250 kg
Power supply	100 - 240 (50 / 60 Hz) V
Height	1130 mm
Test procedure	Brinell, Vickers, Rockwell, Super-Rockwell, Knoop, HVT, HBT, ball impression hardness
Calibration	Price on request
Type of product	Universal hardness testing system