

INNOVATEST**Universal hardness testing machine NEXUS, Type: 7700G2****Order data**

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| Order number | 495085 7700G2 |
| GTIN | 2050002077690 |
| Item class | 49G |

Description**Version:**

Universal hardness testing machine with video measurement system. IMPRESSIONS™ v4. Test load application within the closed control loop (load cell, closed loop system). The built-in 11 Megapixel camera with zoom function, autofocus and intelligent image evaluation ensures quick and accurate measurement of the test impression. The IMPRESSIONS™ v4 software controls the test procedures automatically and offers a fully automatic image evaluation of the hardness test impression together with archiving of the measuring results. High-resolution, height-adjustable industrial touch screen. The NEXUS 7700G2 is equipped with a quick-change system for lenses for the swivel body, enabling the lens to be changed in mere seconds.

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/ASTM E10; EN ISO 6507/ASTM E384, E92; EN ISO 6508/ASTM E18

Supplied with:

IMPRESSIONS™ v4 test software, 10x lens (for Fe materials), test table Ø 80 mm, Rockwell cone 120 degrees with HRC hardness comparison plate, Vickers pyramid 136 degrees with HV 10 hardness comparison plate (with grid markings), ball holder 2.5 mm dia., in each case including ASTM/ISO test certificate. Supplied with shipping packaging.

Note:

Delivery charged separately. Please contact your measurement technician with regard to calibrating the required load levels and methods. Depending on the test force and expected hardness, further lenses may be required. Further accessories such as motorised XY tables available on request.

Technical description

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| Test force dwell time | 1 - 99 s |
| Display | 22-inch industrial HD touch screen, height-adjustable |
| maximum sample height | 320 mm |
| Length | 670 mm |
| maximum sample width | 220 mm |
| Power supply | 100-240 (50/ 60 Hz) V |
| Interface | 4×USB; RJ45 (LAN); W-LAN |
| Main load test force | 0.5 - 250 kg |
| Operation | motorised, automatic |
| Height | 1130 mm |
| Test procedure | Brinell, Vickers, Rockwell, Super-Rockwell, Knoop, HVT, HBT, ball impression hardness |
| Width | 300 mm |
| Weight | 190 kg |
| Calibration | Price on request |
| Type of product | Hardness tester |