



M5U 030/300 G3

**Brinell
universal hardness
testing machines
of the 3rd generation**

EMCO-TEST
YOUR FACTOR OF SAFETY.

Basic machine:

Macro-universal hardness tester for standardized test methods such as Brinell, EN ISO 6506 / ASTM E10 • Vickers, EN ISO 6507 / ASTM E92 • Rockwell, EN ISO 6508 / ASTM E18.

Brinell and Vickers indentations can be easily measured by means of an incremental linear scale.

Automatic focussing.

Testing load ranges: 196 – 29400N

Machine body made of cast iron and ergonomically designed.

Test anvil movement via hand wheel (M5U 030 G3) or motor-driven test anvil (M5U 300 G3).

Electronic test forces via load cell, closed loop and machine software.

Selection of the test method, tolerance limits and testing cycle time via LCD operating surface with touch screen.

Objectives and indenters at the motor-driven swivelling body can be changed manually.

Conversion of hardness values according to EN ISO 18265 (DIN 50150).

The software includes extensive data management (import/ export function) and statistics functions.

With the new generation of M5U hardness testing machines even the occasional testing of components is made very easy.

Advantages of the 3rd generation:

- Very easy to operate by optimum user guidance and self-explanatory menus.
- Easy selection of all settings via drop-down menus.
- The hardness tester automatically saves test parameters and test results.
- Clearly structured data management with efficient import and export functions.
- Report forms ready for printing via USB interface.
- Possibility to select user groups with different authorizations.
- Compatible to software ecos basis.

Technical data:

TFT LCD monitor 6.2“, 150 x 60 mm, 640 x 240 pixel

Operation via touch screen with large and clearly arranged operating elements

Matt screen to display the test indentation (e.g. Vickers, Brinell), lighting by halogen lamp.

2 USB interfaces, 1 RS232 interface and 1 RJ45 100 MBit interface (Ethernet) for the data transfer to PC or network.

Possibility to connect a printer to the USB interface to print reports (direct printout from the hardness testing machine without additional PC).

Objectives with magnifications: 15x / 35x / 82x / 140x / 270x

Testing height and mount capacity: maximum 415 mm testing height – M5U 030 G3 maximum 280 mm mount capacity – both types
 maximum 500 mm testing height – M5U 300 G3

Power supply: 230 V / 50/60 Hz
 110 V / 50/60 Hz

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