



DAKOMASTER

PAT. PENDING

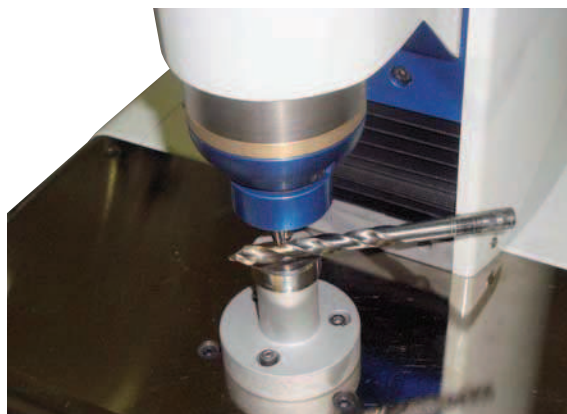
Rockwell Hardness Tester

ABSOLUTE AND QUICK TESTS

A single command pulse activates the automatism including in sequence: the approach and the contact to the piece from 340 mm to 0 mm, its locking, the measuring cycle execution, the transmission and the display of the results. This instrument is motor-driven, loads are automatically selected and applied, with high definition (0,01 HRC) and operation also ensured under extreme conditions

MANY POSSIBILITIES

Many accessories allow different uses. If you change the references, it is possible to have tests on particular geometries that were up to now inaccessible.



COMPACT

The reduced head dimensions allow to test small pieces or carry out tests inside tubes. Furthermore, the instrument is compact and can be easily transported or placed in companies.

HIGH PRECISION

Incomparable precision accuracy remain stable even on flexible pieces; over 300 mm (11") deflection can be accepted without modify the accuracy of test result, repetitiveness and reproducibility in any testing condition with the opportunity to verify it under operation conditions. This instrument is equipped with a mark detection system in the axis of the indenter, with the load at a very high frequency (1 kHz) and with a bending trimmer, to detect the hardness even on flexible surfaces. Absolute measure even at the first test, without having to repeat it.



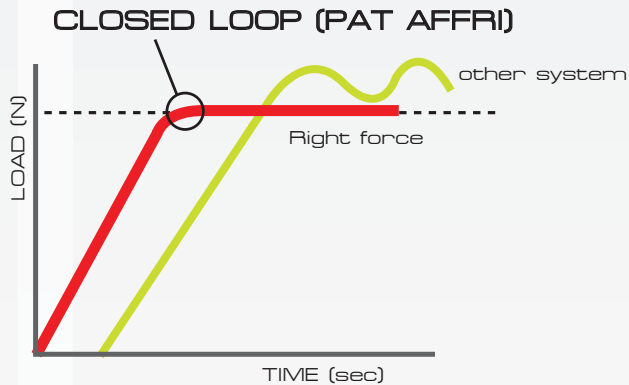
WORKTABLE

Wide and stable work holder plate to support masses beyond 200 Kg

CLOSED LOOP TECHNOLOGY

DAKOMASTER is equipped with the proprietary technology Closed Loop (patented AFFRI) allowing a continuous electronic control on the load application (frequency 1 kHz).

The load will always be applied correctly



ANY KIND OF TEST

DAKOMASTER is able to perform any kind of test, Rockwell, Brinell, Vickers and EM ISO 2039. The strengths range is between 9.81 and 2452.5N. The new HBT and HVT benchmark tests are included. It is possible to carry out the tests on ferrous or plastic materials.



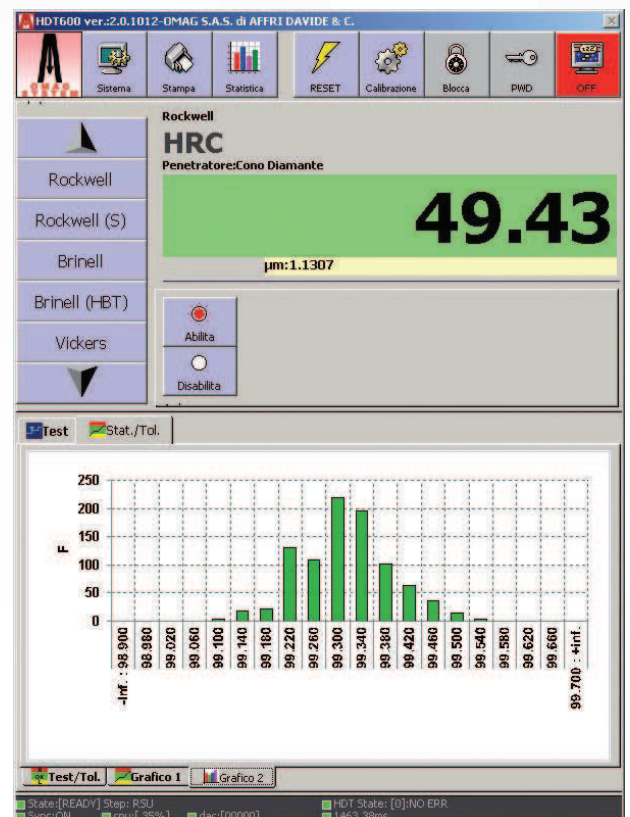
HIGH CONNECTIVITY

This instrument is delivered with a support PC equipped with wide 10.4" touch screen display. Thanks to the 3 USB ports, to 2 Ethernet ports, it is possible to interface the instrument with network peripherals, printers, keyboards or else.



POWERFUL SOFTWARE

The hardometer is equipped with a support PC with preinstalled software. This software is internally developed and is a powerful analysis instrument, equipped with quick test selection and relative setup, statistics and real time graphs, with the possibility to save testing sessions in a flexible way. Interface is simple and user friendly, controllable via touch screen.



TECHNICAL SPECIFICATIONS

Testing Loads

Operation

Actuation

Feasible Tests Brinell

Vickers

Surface Rockwell

Rockwell

Brinell HBT Benchmark Test

ISO 2039-1

Digital Reading

Resolution

Max Testing Height

Indenter Stroke

Effective Measure Working Radius

Tolerable Weight

Outputs

Power Supply

Field of use

Precision

DAKOMASTER

1-1,25-2,5-3-6.25-10-15-25-15.625-30-31.25-45-50-60-62.5-100-125-150-187.5-250 Kg

9.81-12.2-24.5-29.4-61.3-98.1-147.1-153-245.2-294.3-306.5-441.5-490.5-588.6-613.1-981-1226-1471-1840-2452 N Automatic via START button or from the PC (data sampling) Electronic closed loop with loading cell, freq. 1KhZ (PAT AFFRI)

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HB1/10-HB1/30-HB2.2/6.25-HB2.5/15.625-HB2.5/31.25-HB2.5/62.5-HB2.5/187.5-HB5/25-HB5/125-HB5/250

HV1-HV1.25-HV2.5-HV2-HV3-HV5-HV10-HV30-HV50-HV100

HR15N-HR30N-HR45N-HR15T-HR30T-HR45T-HR15W-HR30W-HR45W-HR15X-HR30X-HR45X-HR15Y-HR30Y-HR45Y

HRA-HRB-HRC-HRD-HRE-HRF-HRG-HRH-HRK-HRL-HRM-HRP-HRR-HRS-HRV

HBT2.5/62.5-HBT5/125-HBTC2.5/187.5-HBTS2.5/187.5

For plastic materials

Rockwell, Brinell, Vickers

0.01HR/HB/HV

184 mm

340 mm

145 mm

300 mm

73 mm

130 mm

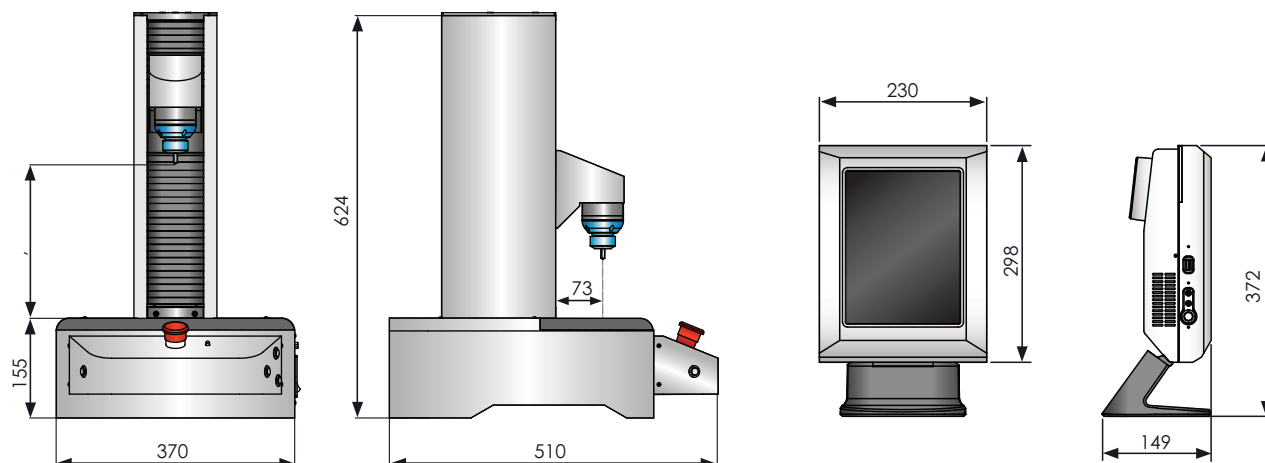
300 Kg

RS232 Standard, PC: 3x USB, 2x Ethernet

220VAC 50-60Hz 150VA

Ferrous, non ferrous, sintered, super alloys, plastic materials

According to the best international standards



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