



ATI DM2

Micro hardness tester for Vickers and Knoop



ATIV DM2



MANUAL EYEPIECE

The eyepiece has a wide field of view that allows rapid and precise identification of the impression and measurement with an accuracy of 0.0001mm.



MULTI POSITION TURRET

3 position automatic turret (consisting of 1 indenter and 2 objectives lens) with automatic selection of the combination between objective and indenter. (Possibility of having a 4 position turret: composed of 2 indenters and 2 objectives lens).



X-Y STAGE

The manual XY table allows the customer to move the specimen to desired testing point with an accuracy of 0.01mm.



MANUAL FOCUS CONTROL

The manual knob allows you to move the long elevation screw with extreme precision the Z axis, to obtain precise focus.





The ACTIV DM2 hardness tester is equipped with software designed to be used by operators of any level of training. The LCD control panel it is equipped with all the information necessary for use. The menu presents functional icons that do not require an instruction manual. Through the main menu it is possible to program the test cycle, check with the load force applied, check the load residence time, view the hardness value obtained, convert the results into HR, HB and HK scales, and keep the history of the results and display statistical results.

Operator	Affri	
Sample	BLOCK	
Range	400.0	To 750.0
Load (kg)	1	2
Turret	10X	Indenter
	5	
Start		
D1	2.02	D2 2.02
HV	727.0	
Conversion	HRC	60.5
Reset	Data	Setting

ATIV DM2 FEATURES

- Micro hardness tester for Vickers tests
- Automatic multi position turret
- Objective lens 400x - 100x
- Digital direct measurement

ATIV DM2 TECHNICAL DATA

Action:	Automatic turret, automatic loading, automatic test cycle and automatic measurement
Accuracy:	Better than 1%
Temperature range:	Tests can be performed in environments with temperature between 10°C and 35°C
Data output:	USB
Power supply:	110 or 220 V / 50-60 Hz
Software:	- - -
Operation principle:	At weights
Test loads:	0.098 - 0.245 - 0.490 N (10 - 25 - 50 - 100 - 200 - 300 - 500 - 1000 gf)
Feasible tests:	Vickers (Knoop as optional)
Standard compliant:	ASTM - E384 / ISO 6507-2 / JIS B 7734
Turret:	Automatic (at 3 or 5 positions)
Indenter:	Vickers (Knoop as optional)
Camera:	- - -
Reading and Focus:	Manual digital reading
Objective lens:	10X , 40X (20X as optional)
lighting:	LED
Dwell time:	1 - 99 sec
Height capacity:	100 mm
Depth capacity:	130 mm
Table:	X-Y: manual 100x100 mm with 10 µm steps
Fields of use:	For micro and macro Vickers, single and stitching tests on all metals: iron, steel, hardened steel, cast iron, brass, aluminium, copper and metal alloys. Heat treatments, hardened, nitrided, case hardened and hardened. Knoop tests on ceramic materials and glass.
Weight:	50 kg
Dimensions:	60 x 60 x 80 cm

The manufacturer reserves the right to make changes aimed at improving the products without prior notice.

 Distributed by:
ATI S.r.l.

 Europe/Asia:
ATI S.r.l.
Via M. Tagliaferro, 8, I-21056 INDUNO OLONA - (VA) - ITALY
Tel: +39 0332 201533
info@affri.com - www.affri.com

 America:
AFFRI Inc.
850 Dillon Dr. Wood Dale, IL 60191
Tel: 224 374 0931 - 630 303 1588
sales@affriusa.com - www.affri.com