

Celestis Aquila Micro Vision - Micro Vickers Hardness Tester with CCD Camera System

## TECHNICAL SPECIFICATIONS

<b>Applicable scales</b>	HV 0,01; 0,025; 0,05; 0,1; 0,2; 0,3; 0,5; 1
<b>Applied forces</b>	<b>10 gf</b> (0,098N); <b>25 gf</b> (0,245N); <b>50 gf</b> (0,49N); <b>100 gf</b> (0,98N); <b>200 gf</b> (1,96N); <b>300 gf</b> (2,94N); <b>500 gf</b> (4,9N); <b>1 kgf</b> (9,8N)
<b>Conversion scales</b>	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
<b>Dwelling time</b>	0-60 sec
<b>Measurement sequence</b>	automatic
<b>Data output</b>	RS-232
<b>Testing table size</b>	100x100 mm (max. movement 25x25 mm)
<b>Display</b>	LCD display
<b>Power</b>	230V - 50 Hz
<b>Overall dimensions (LxWxH)</b>	405x290x480 mm
<b>Weight</b>	~25kg



## ATTRIBUTES

*Windows OS tablet compatible digital measurement system*

*Precision in accordance with EN-ISO 6507 and ASTM E384 standards*

*Automatic measurement sequence:  
loading / dwelling / unloading*

*Rockwell, Super Rockwell, Brinell, Knoop conversion scales*

*Full-automatic turret with 2 lenses  
(magnification: 100x; 400x)*

*Easy operation*

*XY testing table (0,01mm resolution)*

*RS-232 cable output (software is optional)*

*Various statistical analysis*

*Visus CCD measurement analysis system included*

*Automatic indentation analysis with a single click -  
(manual / automatic analysis)*

*Hardness conversion to Brinell and Rockwell scales*

*Hardness value correction on non-flattened surface*

*Vickers values*

*Automatic image saving via USB camera*

*Windows 8 OS tablet included*

*High-resolution CCD camera*

*Diagram display*

*Measurement report making and printing with  
indentation images (Word and Excel format)*

## ACCESSORIES

Micro Vickers hardness tester machine - 1 pc.

Test blocks - 2 pcs.

Different testing tables - 2 pcs.

Adjustable stands - 4 pcs.

Eyepiece 10x - 1 pc.

Lenses (10x; 40x) - 2 pcs.

Windows OS tablet - 1 pc.

Users Manual