

Vickers Hardness Testing AVK-C0

Series 810

- A range of test force from 49.03 N to 9.807 N is available for measuring various types of specimen.
- A measuring resolution of 1 µm is provided that allows small indentations to be measured with precision.



810-160D

Model	AVK-C0
No.	810-160D*
No. UK only	810-160E
Test force range	9.807 ; 49.03 ; 98.07 ; 196.1 ; 294.2 ; 490.3 N
Indenter / Objective turret	Manual operation
Indenter mounts	1
Objective mounts	1 (measurement)

Specifications

Loading accuracy	±1%
Load control	Automatic (load, dwell, unload)
Load dwell time	5, 10, 15, 20, 30 seconds
Max. specimen height	205 mm
Max. specimen depth	165 mm (from the centre of the indenter shaft)
Observation by	Micrometer eyepiece
Lens system	10X
Magnification	100X
Optical path	Single way
Resolution	1 µm
Power supply	100/120/220/240V AC, 50/60Hz
Dimensions (W x D x H)	245 x 515 x 770 mm
Mass	45 kg

Standard accessories

No.	Description
810-039	Flat table Ø64 mm
810-040	V-anvil ø40mm, 120°
810-041	V-anvil ø40 mm, 90°
810-064	Objective 10X
19BAA110	Plastic cover
19BAA114	Power cord
19BAA134	Camera adapter

Hardness test block 700 HV, diamond indenter and split level are standard accessories.

Optional accessories

No.	Description
810-037	Round table Ø180 mm
810-038	Round table Ø250 mm
810-012	50 x 50 mm travel XY stage
810-640	Vibration damping stand

Hardness test blocks

19BAA011	Hardness test block (200HV)
19BAA012	Hardness test block (300HV)
19BAA014	Hardness test block (500HV)
19BAA015	Hardness test block (600HV)
19BAA016	Hardness test block (700HV)
19BAA017	Hardness test block (800HV)
19BAA018	Hardness test block (900HV)
19BAA013	Hardness test block (400HV)

Indenters

19BAA060M PA	Diamond indenter (incl. MPA certificate)
19BAA063	Knoop diamond indenter

Objectives

810-063	Objective 5X
810-065	Objective 20X
810-066	Objective 40X

Vices

810-016	Vice, max. 45mm groove width
810-017	Vice, max. 100mm groove width



Hardness Testing Machines brochure on request