

## HV-100 SERIES 810 — Vickers Hardness Testing Machines

- Vickers hardness testers have a wide application in testing metals, especially small heat-treated parts, and are also suitable for making special-purpose tests such as carburized case hardness, maximum hardness of spot welds, high-temperature hardness, and fracture toughness of ceramic materials.
- In addition to Vickers hardness testing, Knoop (HK)\*<sup>1</sup>/Brinell (HB)\*<sup>2</sup>/Fracture toughness (Kc) tests can also be performed.

\*1 For Knoop hardness testing, Knoop indenter (optional) is required.

\*2 For Brinell hardness testing a Brinell indenter (optional) and additional weight are required.



System A  
(HV-110A / 120A)

### SPECIFICATIONS

Model	HV-110			HV-120		
Display unit	metric	inch/mm	metric	metric	inch/mm	metric
Operation	Manual	Manual	System	Manual	Manual	System
Applicable standards	JIS B7725, ISO 6507-2					
Test force	N (kgf) 9.807 to 490.3 (1 to 50)			2.942 to 294.2 (0.3 to 30)		
External dimensions (WxDxH) (excluding protrusions and stage)	System A: Approx. 307x696x781 mm System B/C/D: Approx. 307x627x875 mm					
Main unit mass	HV-110: 60 kg HV-120: 58 kg					
Power supply/ Power consumption	AC100 V to 240 V 50/60 Hz System A: 24 W System B/C/D: 22 W					

#### System A (HM-110A / 120A)

All-in-one model with simple color touch-panel operation

#### System B (HM-110B / 120B)

A system equipped with automatic reading function with AVPAK software

#### System C (HM-110C / 120C)

In addition to the functions of System B, System C is equipped with an electric stage

#### System D (HM-110D / 120D)

In addition to the functions of System B and System C, System D is equipped with the auto focus function

CAUTION: The AVPAK-20 software package is not for use within, or export to, the United States of America  
The AVPAK-10 software package is for the United States of America



Refer to the Hardness Testing Machines Brochure (E17001) for more details.