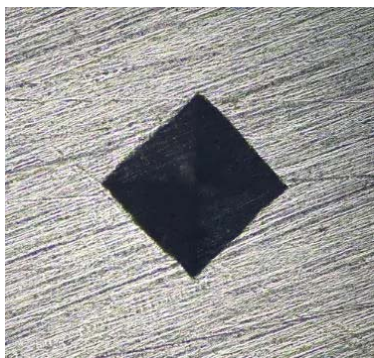




HV-120 manual main unit, w.o. power cord

Item number: 810-445-13

Images



Specification

Model:	HV-120
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Applicable standards:

Applicable standards Vickers :	ISO 6507-2, ASTM E92, ASTM E384, JIS B 7725
Applicable standards Knoop :	ISO 4545-2, ASTM E92, ASTM E384, JIS B 7734
Applicable standards Brinell :	EN ISO 6506, ASTM E10, JIS B7724
Applicable standards KC fracture toughness :	based on IF method (JIS R1697)

Applicable test methods:

Applicable Vickers scales :	HV0.3; HV0.5; HV1; HV2.5; HV3; HV5; HV10; HV20; HV30
Applicable Knoop scales :	HK0.3; HK0.5; HK1
Applicable Brinell scales :	HBW 1/30; HBW 1/10; HBW 1/5; HBW 2.5/31.25**; HBW 1/2,5; HBW 2.5/15.625**; HBW 1/1; HBW 2.5/6.25** additional accessories required

Machine Control:

Control method :	5,7" touch screen display control
Software functions Touch screen :	3 display formats (standard screen, list screen with average hardness, simplified screen), Turret control, test force control, GO/NG judgment, test set-up, test condition guide, curve and user correction, hardness conversion, statistics calculation
Software functions AVPAK :	Turret and stage control, contrast level indicator for easy focus, autofocus (D-Types), automatic Illumination, auto reading function, ISO 18203 conform hardening depth evaluation presets, CHD, NHD, SHD; Jominy Test; guide Function for single test/pattern test/standard test, curved surface compensation, hardness conversion, overview image creation (C- and -D-Types), part programming, incl. edge detection, coordinate alignment, pattern creation and application, report creation, external data output, StatusMonitor compatibility
Language support :	Japanese, English, German, French, Italian, Spanish, Korean, Traditional Chinese, Simplified Chinese, Turkish, Portuguese
Resolution :	0,01 HV units (settable)

Data output:

MeasurLink capability :	yes
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Data output :	RS-232C, SPC Digimatic D-type connection, USB
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Test force:

Test Force Range :	2.942-294.2N (0,3-30kgf)
Test force generation :	Dead weight system
Test force switching :	Touch panel
Duration time :	5-999s. 1 s. increments
Indenter approach speed :	selectable 60 µm/s/150µm/s

Optical system:

Optical system :	Infinitely corrected
Standard objective lenses :	MH Plan 10x
Light source illumination unit :	White LED
Aperture diaphragm :	variable
Measuring microscope :	standard
Focus method :	manual

XYZ axis:

XY stage :	optional
Z-axis :	manual elevation unit

Turret:

Turret drive method :	Motor/Manual
Turret control method :	Touch panel
Number of objective lens ports :	3 (1 equipped)
Number of indenter ports :	1 (equipped)

Functional dimensions:

Stage/Anvil adaption :	Ø19 mm
Max. specimen height :	210 mm
Throat depth :	170 mm
Maximum specimen weight :	20 kg

Main unit data:

External dimensions WxDxH :	306x698x786 mm
Mass main unit :	58 kg
Power supply :	AC100 -240V Auto-selection

Power consumption W :	24
Operation temperature °C :	5-40
Relative humidity RH :	80% or lower without condensation
Vibration Frequency :	10Hz or lower

Standard accessories:

Diamond indenter :	included
Reference material :	700 HV10 Ø64mm x 15mm
Flat anvil :	810-039 outside diameter Ø64mm
Water level :	11AAB941
Inspection certificate :	included
Power cord :	not included
