

CV SERIES MACRO VICKERS INDENTATION

The CV Series Macro Vickers Tester offers the advantage of testing materials that are extremely soft to ultra hard all on the same scale. Tests are precise and accurate, quick and easy due to exceptional engineering and craftsmanship. The CV Series is a top quality tester, and when combined with the available automated system (ARS), is flexible enough to grow with your needs.

Special Features

- Built in **dial-a-weight** system easily changes from load to load.
- Advanced microcomputer with LCD touch panel display (CV-800/CV-800AT)
- Automated test sequence performs easy hands-free loading operations
- Vickers, Knoop, Brinell and fracture toughness (K_{IC}) testing (CV-800/CV-800AT)
- Fine measuring lines in microscope provide accurate indent readings
- Turret allows up to 3 different objectives attached at once (4 on CV-800)
- Digital micrometer head with on screen display (CV-800)
- USB output connection (CV-800)
- LED light source
- Complies with ASTM & ISO 17025 Standards

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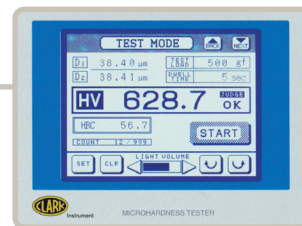
www.qnnde.ca 1-800-361-3630



Series CV-102



Series CV-402



Series CV-802

ITEM	CV-102 / CV-102 AT	CV-402 / CV-402 AT	CV-802 / CV-802 AT
LOAD	TYPE A	123510203050 Hgf	
		9.80719.6129.4249.0398.07196.1294.2490.3 N	
	TYPE B	0.30.5135102030 Hgf	
		2.9424.9039.80729.4249.0398.07196.1249.2 N	
LOADING MECHANISM	Automatic loading and releasing method		
LOAD APPLYING SPEED	Initial loading speed: 120μ m/sec — Actual loading speed: 60μ m/sec (automatic speed changing)		
DWELL TIME	5~40 sec5~99 sec		
TURRET MECHANISM	Manual or Automatic Turret (AT)		
OBJECT LENS MOUNTING	Manual/Auto Type A: 10X/Type B: 10X & 20X (optional: max. 3 lenses)		
MAGNIFICATION OF MICROSCOPE	Type A: 100X — Type B: 100X & 200X		
MEASURING MICROSCOPE	Mechanical	Electronic	
Max. measuring length		100X: 800μ m — 200X: 400μ m	
Min. graduation		Micrometer: 0.5 μ m — Digital: 0.1μ m	
Min. measuring unit		Eye judgement: 0.1μ m — Digital: 0.1μ m	
MAX. HEIGHT & DEPTH	8.25 " x 6.5" (210 X 165 mm)		
AVAILABLE TEST PARAMETER	HV/HKHV, HK, HBS, HBW & Kc		
BRINELL HARDNESS	HBS & HBW (opt: ball indenter & light load)		
FRACTURE TOUGHNESS VALUE(KC)	Conforms to JIS R1607/IF method		
HARDNESS CONVERSION	Conforms to ASTM (€-140)		
DATA MEMORY	Max. 999 test		
OK/NG CRITERIA	Limit setting and HI/OK/LO display		
SELF DIAGNOSIS	Displays motor and switch trouble		
OPTICAL FUNCTION	Changeable field aperture / Changeable numerical aperture / Changeable color filter		
OPERATION PANEL	Touch pad	Touch pad	LCD touch panel
DATA DISPLAY	Power / Loading	D1 / D2 / HV-HK / Hardness Value / Loading / OK-NG Criteria	D1 / D2 / HV-HK / Hardness Value / Conversion Data / OK-NG Criteria / Start
DATA OUTPUT		RS232C / Centronics / D1 / D2 / HV-HK / Test Load / OK-NG	RS232C / Centronics / D1 / D2 / HV-HK / Test Load / OK-NG / Conv. Scale / Conv. Data / Statistic Data
ACCURACY	Conforms to ASTM — €92		
DIMENSIONS	7.7" x 20.4" x 27.1" / 195 x 517 x 690 mm		
WEIGHT	Aprx. 121 Lbs / 54.9 kg		
POWER SUPPLY	120 VAC 1Ø 2A / (AC 100~240V) Please Specify		

STANDARD ACCESSORIES

Hardness Standard	1
Diamond Indenter	1
Measuring Microscope	1
Built In Objective Lens	1
Anvils – 2 1/2" flat, 1 1/2" V-shape	1 ea.
Machine Cover, Bulb, Tools, Manuals, Leveling Leg Set	

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**HV
HK
HB
Kc**