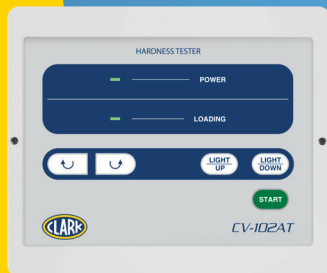


The CV Series is quick and easy, providing Macro Vickers testing of materials varying from extremely soft to ultra hard across the same scale. The CV Series utilizes advanced technology for incredibly accurate test results, due to exceptional engineering and craftsmanship. For optimum flexibility, combine the CV tester with our available ARS software for a complete automated testing system.

Special Features

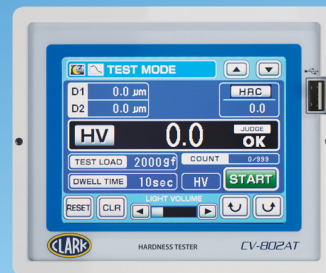
- Built in dial-a-weight system easily changes from load to load.
- Advanced microcomputer with LCD touch panel display (CV-802/CV-802AT)
- Automated test sequence performs easy hands-free loading operations
- Vickers, Knoop, Brinell and fracture toughness (K_{IC}) testing (CV-802/CV-802AT)
- Sharp clear optics provide accurate indentation readings
- AR Auto Read System available
- USB output connection (CV-802 Series)
- Built-in LED surface light
- Conforms to tolerances per ASTM & ISO 17025 Standards



Series CV-102 AT



Series CV-402 AT



Series CV-802 AT

MODEL	CV-102 / CV-102 AT			CV-402 / CV-402 AT		CV-802 / CV-802 AT			
LOAD	TYPE A	1	2	3	5	10	20	30	50 kgf
		9.807	19.61	29.42	49.03	98.07	196.1	294.2	490.3 N
	Type B	0.3	0.5	1	3	5	10	20	30 kgf
		2.942	4.903	9.807	29.42	49.03	98.07	196.1	249.2 N
LOADING MECHANISM		Automatic (loading, holding, removing method)							
LOAD APPLYING SPEED		Initial loading speed: 120μ m/sec — Actual loading speed: 60μ m/sec (automatic speed changing)							
DWELL TIME		5~40 sec						5~99 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/HK						HV, 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 (E-140)	
OK/NG CRITERIA		Limit setting and HI/OK/LO display							
LIGHT SOURCE		LED ILLUMINATION							
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				D1 / D2 / HV-HK / Test Load / OK-NG			D1 / D2 / HV-HK / Test Load / OK-NG Conv. Scale / Conv. Data / Statistic Data		
ACCURACY		Conforms to tolerances per ASTM E-92, ISO 6507-2 / ISO 4545-2							
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, Diamond Indenter, Measuring Microscope, Built In Objective Len(s), Hardness Conversion Table (CM-102), Built-in Indenter Cover, Accessory Box, Machine Cover, Accessory Box, Manual, Leveling Legs

HV
HK
HBS
Kc