

NEW DIGITAL VICKERS HARDNESS TESTERS

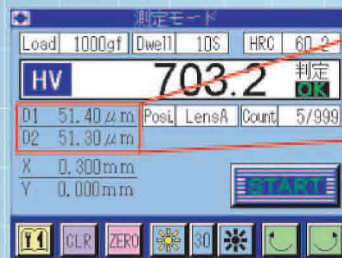


Maximum Four lens

Equipped with color liquid crystal touch panel

High-resolution evaluation measurement

Various modes and function enhancements



D1 51.40 μm
D2 51.30 μm

0.01 μ



SPECIFICATION

ITEM		VMT-X1				VMT-X3			VMT-X7	
Test load	TYPE B	9.807 1	19.61 2	29.42 3	49.03 5	98.07 10	196.1 20	294.2 30	490.3 50	N kgf
	TYPE A	2.942 0.3	4.903 0.5	9.807 1	29.42 3	49.03 5	98.07 10	196.1 20	294.2 30	N kgf
Loading mechanism		Automatic loading and releasing method.								
Turret		Manual					Automatic			
Load applying speed		85 μm/sec								
Dwell time		5~40sec				5~99sec				
Min.measuring unit		0.1 μm				0.01 μm (200×~1000×), 0.02 μm (100×)				
Measuring microscope	Max.measuring length	100× : 999.9 μm (200× : 600.0 μm)								
	Magnification	100× (200×) . . . :100×, 200× Test load "S" attaches both lenses of 100× and 200×								
Date output		—				① Centronics (standard) ① RS232C Output selectable RS232C or Serial				
Date memory		Max. 999 test date								
Hardness conversion		—				ASTM(E-140), JIS Possible in compliance with ASTM(E-140), JIS				
OK/NG criteria		—				OK/I Upper and lower limits setting, and HI/OK/LOW display.				
Date edition		—				Data output and display :Max. value, min. value, dispersion (R), mean value, standard deviation				
RS232C communication line		—				: 1200 / 2400 / 4800 / 9600 bps Baud rate select : 1200 / 2400 / 4800 / 9600 bps Error detection, Parity select : even / none				
Accuracy		JIS B7725, ASTM E-9 Conform to JIS B7725 and ASTM(E-92)								
Photographic device		Possible to mount at anytime								
Max. specimen height		260mm								
Max. specimen depth		160mm								
Dimensions		W220 × D580				× H770mm				
Weight		52kg								
Power supply		AC100V50/60Hz, :100~240V50/60Hz Single phase AC100~240V50/60Hz available for Export models								

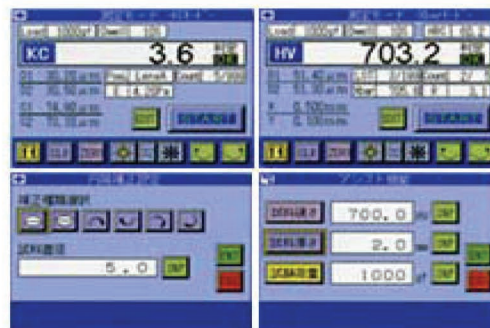


1-800-828-6866

★4 lens possible to adopt as option.

Additional available Functions:

HV, HK, KC, HBS Low load brinell, X-bar mode & cylindrical correction are available

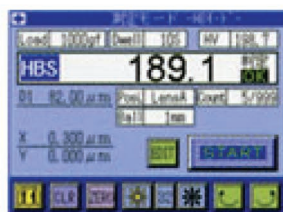


9.807	19.61	29.42	49.03	98.07	196.1	294.2	490.3	N
1	2	3	5	10	20	30	50	K _{ef}
2.942	4.903	9.807	29.42	49.03	98.07	196.1	294.2	N
0.3	0.5	1	3	5	10	20	30	K _{ef}

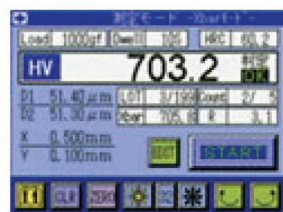
The new functions deploy. LCD touch panel



fracture toughness



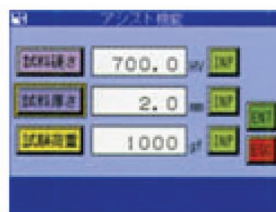
light-load brinell



Xbar



cylindrical correction



assist

- Visibility and operatively improve by color LCD touch panel.
- 4 objective lens can installed on Turret.
- In addition to conventional HV, HK measuring mode, four kinds of measuring mode (fracture toughness (KC), light-load brinell, Xbar, cylindrical correction factions are available
- Assist function which can identify the testing condition which is optimum is carried. The testing condition which is optimum can be confirmed by satisfying 2 from 3 condition of thickness, hardness, testing force.