



METALTEK MetalTek Products by CCSi

The MetalTek™ Digital models meet your needs for high performance production, QC and QA testing applications. The high grade cast iron frame, precision load transfer mechanism and quality displacement measuring system provide both repeatability and reproducibility. A comprehensive range of accessories enable the MetalTek™ to meet your specific requirements.

REPEATABILITY REDUCES VARIATION

- Superior measurement technology,
- Precision engineered.

DIGITAL DESIGN

- Microprocessor controls;
- Automatic Operation Cycle;
- Memory recall reduces operator errors.

EASY TO LEARN & USE

- Push—button digital precision;
- Easy to read digital display;
- 1—2—3, Set—Start—Results!
- Motorized Operation;
- “Go—No—Go” User Selectable Limits.

VERSATILITY

- Rugged construction for production testing;
- Precision for QA/QC applications;
- 3 kgf & 10 kgf preliminary loads;
- 15, 30, 45, 60, 100 & 150 kgf total loads;
- Meets ASTM E—18 & BSI 891;
- Meets ISO 3804 & 5073;
- Output to printer or computer;
- Manual updrive.

DURABILITY

- Powder coat finish;
- Precision ground bushings;
- Anti—friction linear bearings;
- High quality cast iron frame.

AFFORDABILITY

- A cost effective hardness testing solution;
- Competitive price... Advanced features;
- A wide range of affordable standard accessories;
- Service and Support by qualified technicians;
- Quick Response ... Accessible Personnel!

PROVEN PERFORMANCE!

MetalTek™ is a recognized leader in hardness testing. Researchers, design engineers, production and quality assurance specialists the have appreciated MetalTek's experience in instrumentation design, standards and hardness testing for precision instruments that provide repeatable, error free testing. The defining difference is service!

WORLD CLASS SINCE 1979

MetalTek™ has maintained Rockwell hardness testing standards at the widely recognized FIE Research Institute since 1979. These are standards established and certified by various national and international standards organizations, not by proprietary unregulated manufacturer's! All MetalTek™ testers fully conform to most national and international standards, thereby assuring the user of the most truly precise instruments available!

**PERFORMANCE FEATURES...
COMPETITIVE PRICING**

- REDUCED TESTING TIME
- LABOR SAVING FUNCTIONS
- IMPROVED ACCURACY



MICROPROCESSOR PANEL

The microprocessor panel offers many selectable functions enable the operator to set, adjust and monitor many functions throughout the test cycle.

Automatically corrects for curved surfaces as described in ASTM E140.

CONVERSION

Automatically converts many hardness scales and values as delineated in ASTM E140.



RS-232C INTERFACE

Connect individual testers to a printer or PC with the RS-232C interface.

AFFORDABLE

Technology, service, support and manufacturing techniques make MetalTek™ one of the most cost effective hardness testers available.

MetalTek™ MODEL FR/ET SPECIFICATIONS

Model	FR/ET Digital Twin "R" & "S"
Minor Loads:	3 and 10 kgf
Minor Load Control:	LED Bar Indicator
Major Loads:	15, 30, 45, 60, 100 & 150 kgf
Dwell:	1 – 40 s (Keyboard Entry)
Display Resolution:	000.1 Digital LED
Scale Display:	A, B, C, D, F, G, 15N, 30N, 45N 15T, 30T, 45T
Test Scales: 	A, B, C, D, E, F, G, H, K, L, M, P, R, V 15N, 30N, 45N 15T, 30T, 45T 15W, 30W, 45W 15X, 30X, 45X 15Y, 30Y, 45Y
Vertical Capacity:	265 mm (10.4 in.)
Throat Depth:	135 mm (5.3 in.)
Net Weight:	90 kg (198 lb.)
Dimensions (L x W x H):	475 x 207 x 815 mm (18.7 x 8.2 x 32.1 in.)
Power:	220 VAC 50 Hz or 240 VAC 60 Hz
Conforms To:	ASTM E18 ; BSI 891; ISO 3804; ISO 5073
 Testing at Rockwell scales E, K, L, M, P, R & V is accomplished by using 1/8", 1/4" or 1/2" indenters in combination with 60, 100 or 150 kgf respectively. Testing at W, X and Y Rockwell Scales is accomplished by using 1/8, 1/4 or 1/2 inch indenters in combination with 15, 30 or 45 kgf respectively. The additional penetrators and indenters are separately ordered options.	
List Price:	Please Submit a Request for Quotation (RFQ)

MetalTek™ Model FR/ET Standard Accessories

Quantity	Description
1	50 mm Ø Testing Table
1	38 mm Ø "V" Groove Stage
1	Clamping Device
1	Diamond Indenter
1	1/16" Penetrator (with 5 balls)
1	B Test Block
1	C Test Block
1	HR 30N Test Block
5	Allen Spanners
1	Wooden Accessories Box
1	Telescoping Protection Sleeve
1	Spare Main Fuse
1	Operators Manual
1	Dust Cover

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