

Visit [VacuumInterrupterTesting.com](http://VacuumInterrupterTesting.com)  
to download our technical paper  
on predicting the remaining life  
of vacuum interrupters in the field.



# WHEN **PASS-FAIL** ISN'T ENOUGH **MAC-TS4**

## Trust Magnetron Atmospheric Condition (MAC) testing to predict the remaining life of your vacuum interrupters

Until now, the accepted field service test for vacuum interrupters has been a simple go/no-go test performed with an AC/DC high-potential test. Today, testing with our Magnetron Atmospheric Condition (MAC) test sets can prevent unnecessary damage to your circuit breakers and contactors.

US PATENT NO. 9,031,795 B1

**THIRD-GENERATION MAC-TS4  
VACUUM INTERRUPTER TEST SET  
NOW WORKS WITH YOUR PC  
TO SIMPLIFY TEST REPORTS  
AND ASSET MANAGEMENT**

- WORLD'S FIRST PORTABLE VACUUM INTERRUPTER TEST SYSTEM CAPABLE OF PREDICTING REMAINING LIFE
- WORLD'S FIRST SYSTEM CAPABLE OF TESTING VACUUM INTERRUPTERS IN BOTH THE SHOP AND FIELD
- ANALYSIS BASED ON SAME OEM LEAK-RATE TEST PERFORMED AT THE FACTORY
- SYSTEM PARAMETERS BASED ON MEASUREMENTS OF THOUSANDS OF VACUUM INTERRUPTERS

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# Magnetron Atmospheric Condition (MAC) Analysis

## MAC-TS4

### SPECIFICATIONS

**Type:** MAC-TS4

**Physical Specifications:** 16.9" × 12.6" × 9.8"  
(430 mm × 320 mm × 250 mm)  
Weight: 37.5 lb (12.9 Kg)

**Input Power:** 120 V AC 50/60 Hz (standard), 230 V AC  
50/60 Hz (optional)

**Measure Range:**  $1 \times 10^{-5}$  Pa ~  $1 \times 10^{-1}$  Pa

**Measure Accuracy:** <10% of the reading

**Display:** Back-lit LCD screen (320 × 240 pixels);  
viewable in bright sunlight and low light  
conditions

**Printer:** Built-in 2.2 in. wide thermal printer

**Internal Test Record Storage:** Stores up to 500  
test results

**Computer Interface:** One USB interface

**Computer Software:** Windows®-based software  
included with purchase price

**Certifications:** CE certified

**Environment:** Operating: -10°C to +50°C (+15°F to  
+122°F)

**Humidity:** 85% Rh @ 40°C (104°F) non-condensing

**Altitude:** 2,000 M (6,562 ft) to full safety  
specifications

**Cables:** Furnished with full set of test leads  
(including high-voltage output cable, signal input  
cable, magnetic coil output cable, 20 ft. ground  
cable, flexible magnetic field coil, and USB cable)

**Options:** Various-sized fixed coils and breaker specific  
rigid coils

**Warranty:** One year on parts and labor



### STANDARD FEATURES

- Lightweight, portable tester
- Compatible with fixed or flexible magnetic field coils  
(one flex coil included in purchase price)
- Easy and safe to operate
- Graphical LCD display
- PC software allows user to control MAC-TS4 operation,  
download stored test results, and generate test reports
- Field or shop use



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