

Visit 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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VacuumInterruptersInc.com



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: 1×10^{-5} Pa ~ 1×10^{-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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