



**HIPOTRONICS**<sup>®</sup>  
THE MEASURE OF A LEADER

## Series 9000 Circuit Breaker Test Sets

### FEATURES

- Full rated output currents
- Universal control unit
- Current latched digital timer
- Memory Ammeter
- Ground interlock
- Thermal interlock
- Auxiliary contact control
- SCR controlled
- Short circuit & ground fault protection
- Remote initiate test control
- Lightweight & rugged
- Single-piece or modular construction

### BENEFITS

- Test to NEMA specifications
- Safe & accurate testing
- Interchangeable control modules
- Zero DC offset
- Accurate and repeatable results
- Portable

### APPLICATIONS

- Test low voltage power and molded case circuit breakers
- Ratioing of current transformers



Model 9600

### DESCRIPTION

Hipotronics Series 9000 Primary Injection Test Sets are high current, lightweight, modular test sets with state of the art control circuitry and instrumentation. They provide up to 60,000 Amps output through a modern circuit breaker with maximum burden of 10.0 V. They meet or exceed the requirements for molded case circuit breaker field verification per NEMA specifications. These test sets are designed for safe, accurate and efficient testing of low voltage power circuit breakers and molded case circuit breakers. In addition, the test sets can do primary injection testing of high voltage substation breakers and associated protective relays, as well as ratioing of current transformers. Hipotronics Series 9000 High Current Circuit Breaker Test Sets feature a solid-state memory ammeter circuit, crystal controlled digital timer that measures in seconds or cycles, auxiliary contact control, and status indicators for input power, thermal overload, and ground interlock.

## SPECIFICATIONS

MODEL	9300			9600		
INPUT	460 V, 60 Hz			460 V, 60 Hz		
MEMORY AMMETER	4½" Analog 0-.25/.5/1/2.5/5/ 10/25/50 kA Accuracy ± 1% full scale			4½" Analog 0-.5/1/2.5/5/10/ 25/50/100 kA Accuracy ± 1% full scale		
TIMER	Measures in cycles or seconds; 0-999.999 seconds ± .0025% ± L.S.D. or 0-99999.9 cycles ± .5 cycles					
OUTPUT	2500A	10000A	36000A	5000A	20000A	60000A
TIME ON	30 min.	5 min.	10 sec.	30 min.	5 min.	1 sec.
TEMP RISE	25 C	25 C	25 C	25 C	25 C	25 C
OUTPUT CONNECTIONS	Two Stab Sets: CBSS-6 (½"), CBSS-7 (¾") Auxiliary Contacts Lead (coax), 7 ft. (2.1 m) Remote Initiate Cable, 7 ft. (2.1 m)					
OPTIONS	Digital Output Ammeter — 3½" digital electronic memory meter Accuracy ± 1% of reading Digital Voltmeter — 4 range digital voltmeter 0 - 1.999 V, 19.99 V, 199.9 V, 600 V Autotransformer — Designed to accept several common distribution voltages and provide 480 volts, single phase. 208/240/575 to 480					

## DIMENSIONS

	HEIGHT	WIDTH	DEPTH	WEIGHT
UNIVERSAL CONTROL UNIT	15" (38 cm.)	21" (53 cm.)	19½" (50 cm.)	50 lbs. (23 kg.)
9300	48" (122 cm.)	44" (112 cm.)	22" (56 cm.)	750 lbs. (340 kg.)
9600	48" (122 cm.)	44" (112 cm.)	22" (56 cm.)	930 lbs. (422 kg.)

For further information, contact:

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NOTE: Because Hipotronics has a policy of continuous product improvement, it reserves the right to change design and specifications without notice.