

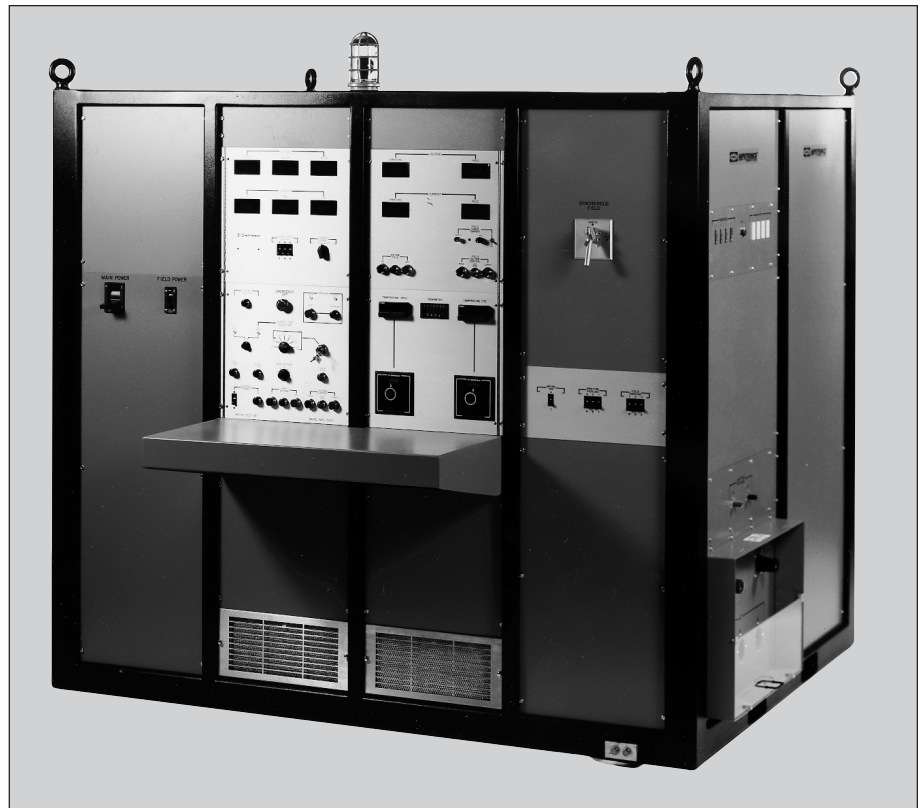


HIPOTRONICS
THE MEASURE OF A LEADER

High Power - Motor Test Systems

FEATURES

- Main power circuit breaker
- Emergency off mushroom switch
- Warning lamp
- Control power circuit breaker
- Motorized tap selector switch
- 5 amp ground fault detector
- Primary overload protection
- Digital voltage and current meters
- Voltage ON/OFF pushbuttons
- Off zero lamp
- Field loss indicator
- Field supply selector switch
- Field power circuit breaker
- Field overload
- Field undercurrent relay
- Synchronous switch
- Interlocked HV taps
- Calibration facilities
- 15 foot output cables
- Lifting provision (crane and forklift)



Model MTC-500V

BENEFITS

- Variable transformer offers the most stable output available
- Continuously variable voltage from near zero to full voltage
- Complete metering to verify conditions of motor under test
- Integral safety and overload protection

DESCRIPTION

Hipotronics manufactures a complete line of Motor Test Systems serving the motor repair industries. Since 1962 Hipotronics is the largest manufacturer serving the Motor Test Industry with quality test equipment for all aspects of the electrical manufacturing and repair markets. Motor Test Systems are available in AC, DC or combination (AC/DC) configurations to suit your exact requirements. Hipotronics has a strong commitment to making the most reliable equipment available, we take extra steps in the construction of our test sets to assure many years of reliable service. All power transformers are vacuum pressure impregnated (VPI), and we construct our own tap switches which have proven themselves far superior to commercially available units commonly used. Please use this information as a guide and contact our sales department for further details.

SPECIFICATIONS

| MODEL | MTC-1000V | MTC-1250V | MTC-1500V | MTC-2000V | MTC-2500V |
|---------------------------------|---|--------------|--------------|-------------------------|--------------|
| SYSTEM KVA | 1000 KVA | 1250 KVA | 1500 KVA | 2000 KVA | 2500 KVA |
| INPUT REQUIREMENT: | VOLTAGE | | | 480V AC, 3-Phase, 60 Hz | |
| | CURRENT | | | 4160V, 3-Phase, 60 Hz | |
| | 1250 A | 1510 A | 1800 A | 280 A | 350 A |
| AC NO-LOAD TEST CAPABILITIES* | 5000 HP | 6250 HP | 7500 HP | 10,000 HP | 12,000 HP |
| AC FULL LOAD TEST CAPABILITIES* | 1000 HP | 1250 HP | 1500 HP | 2000 HP | 2500 HP |
| OUTPUT TAP | | | | | |
| 0 TO 480V | 1000 A | 1000 A | 1000 A | NA | NA |
| 0 TO 600V | 960 A | 1000 A | 1000 A | 1200 A | 1200 A |
| 0 TO 1200V | 480 A | 600 A | 720 A | 960 A | 1200 A |
| 0 TO 2400V | 240 A | 300 A | 360 A | 480 A | 600 A |
| 0 TO 3300V | 175 A | 219 A | 262 A | 350 A | 438 A |
| 0 TO 4160V | 139 A | 173 A | 208 A | 278 A | 348 A |
| 0 TO 7200V | Optional | Optional | 120 A | 160 A | 200 A |
| 0 TO 11,000V | Optional | Optional | Optional | Optional | 131 A |
| 0 TO 13,800 V | Optional | Optional | Optional | Optional | 106 A |
| DC ARMATURE SUPPLY: | VOLTAGE | | | | |
| | CURRENT | | | | |
| | 0-750V DC | 0-750V DC | 0-750V DC | 0-750V DC | 0-750V DC |
| | 900 Amperes | 1200 Amperes | 1200 Amperes | 1500 Amperes | 2000 Amperes |
| DC FIELD SUPPLY | 0-700V DC 90 Amperes, 5% Ripple RMS | | | | |
| FIELD SUPPLY #2 (optional) | 0-12V DC 500 Amperes, 48% Ripple RMS | | | | |
| DUTY CYCLE | Continuous, 110% 1 Hour ON/ 1 Hour OFF, 250% for 1 Minute | | | | |

- *No-Load and Load calculations are approximate and could vary with your specific application.
- For Motor Test Sets with AC output only, DC specifications in the shaded area above are eliminated. The Model prefix is changed to MTA. All other specifications above remain unchanged.
- Larger units are available upon request.
- For complete specifications for a particular model, please contact Hipotronics.

OPTIONAL EQUIPMENT

- Data Acquisition System with Software
- Dynamometer Metering Integration
- Vibration Analyzer
- Digital Tachometer
- Temperature Meter
- Wattmeter
- Additional Voltage Taps
- Optional Series Field Supply
- Remote Connection Cubicle

For further information, contact:

Hipotronics, Inc.

A Subsidiary of Hubbell, Incorporated
Route 22, P. O. Box 414
Brewster, NY 10509, U.S.A.

1-800-727-4476

Tel: 914-279-8091

Fax: 914-279-2467

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