

### FEATURES

- Durability testing of Automotive Window motors
- Supports both “Standard” and “Smart” motors
- Modular design – start with 4 expand to 16
- Rackmount design for laboratory use
- LabMaster<sup>®</sup> PRO 16-bit 500Khz A/D acquisition
- Feature Rich Graphical Software Included!
- Durability testing by time or cycles
- Continuous fault monitoring and logging with Data Journaling to protect data from power outage
- Temperature recording -40 to +257 deg. F.

### OVERVIEW

The Scientific Solutions<sup>®</sup> Elmo test system is designed for the durability testing of electric motors and systems. Although designed with special emphasis for testing automotive window motors, it can also be used for testing other motors as well.

The system contains software and programmable hardware to control electric window motor UP/DOWN position, detect stall over-current conditions and monitor failures.

The Scientific Solutions Electric Motor Tester consists of a self-contained computer (LabRack<sup>®</sup> Computer system) incorporating a Scientific Solutions LabMaster PRO data acquisition system.

The computer system connects to a Master Control Unit (MCU) with a single cable connection. The MCU has four additional connectors to Device Control Units (DCU). Each DCU can control up to four devices.

As an example, a fully configured system can simultaneously test 16 electric window motors which is equivalent to four “virtual” cars.

## LABMASTER<sup>®</sup> ELMO ELECTRIC MOTOR TESTER DURABILITY TESTING OF AUTOMOTIVE WINDOW MOTORS



### SPECIFICATIONS

- ◆ **Automotive Window Motor Testing**
  - Support for up to 16 “Standard” Motors
  - Support for up to 8 “Smart” Motors
  - ELMO software for easy configuration
  - Continuous Monitoring of:
    - Voltage to power windows
    - Stall Current
    - Travel Up/Down Time
    - Temperature -40 to +257 deg F
  - Temperature Probes optional equipment
  - Voltage Requirement per active stalled device
    - +10v to +15v, 25 Amp
- ◆ **Our Solution Includes:**
  - LabRack<sup>®</sup> Computer System with LabMaster<sup>®</sup>
  - Master Control Unit
  - One to Four Device Control Units
  - Elmo Test Software
  - Temperature Probes

### ORDERING INFORMATION

CONTACT SCIENTIFIC SOLUTIONS

ADDITIONAL INFORMATION AT

WWW.LABMASTER.COM