MAGTROL

CMTS Application Data Sheet

Customized Test System for ABS Motors

APPLICATION

Magtrol designed this Custom Motor Test System specifically to test Anti-Lock Braking System (ABS) motors in a laboratory environment. The ABS to be tested is comprised of 12-volt DC motors with speeds up to 6000 rpm, 425 oz·in (3 N·m) output and 200 amps peak current draw.

COMPONENTS

- Heavy-Duty Equipment Rack
- Dynamometer Table
- HD-700 Hysteresis Dynamometer
- DSP6001 High-Speed Programmable Dynamometer Controller
- M-TEST 4.0 Motor Testing Software
- 6510*e* Single-Phase Power Analyzer
- Eccentric Coupling

COUPLING

The dynamometer is fitted with a special eccentric coupling that offsets the eccentric output of the ABS motor shaft, converting it to centric rotation.

www.magtrol.com

MAGTROL INC
70 Gardenville Parkway
Buffalo, New York 14224 USA
Phone: +1 716 668 5555
Fax: +1 716 668 8705
E-mail: magtrol@magtrol.com

MAGTROL SA
Route de Moncor 4B
1701 Fribourg, Switzerland
Phone: +41 (0)26 407 3000
Fax: +41 (0)26 407 3001
E-mail: magtrol@magtrol.ch

Subsidiaries in:
- Germany
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