5242
POWER AMPLIFIER

DESCRIPTION

The 5242 is a voltage-controlled power amplifier designed exclusively for Magtrol's HD-825 Hysteresis Dynamometer. Because of its double braking system, the HD-825 requires more than 4 amps of power in order to reach full torque. The 5242 (which can provide up to 5 amps of output current) is necessary in order to amplify the power between the DSP7010 Controller (which has a maximum current output of 1 amp) and the HD-825 Dynamometer.

Fig.1 : 5242 Power Amplifier

ORDERING INFORMATION

If the HD-825 is purchased without a dynamometer controller, please inform Magtrol of your controller model—as it may be necessary to modify your existing controller so that it functions properly with the 5242 Power Amplifier. A supply and brake cable must be purchased separately. Please contact sales for more information or go to magtrol.com/cables.

SPECIFICATIONS

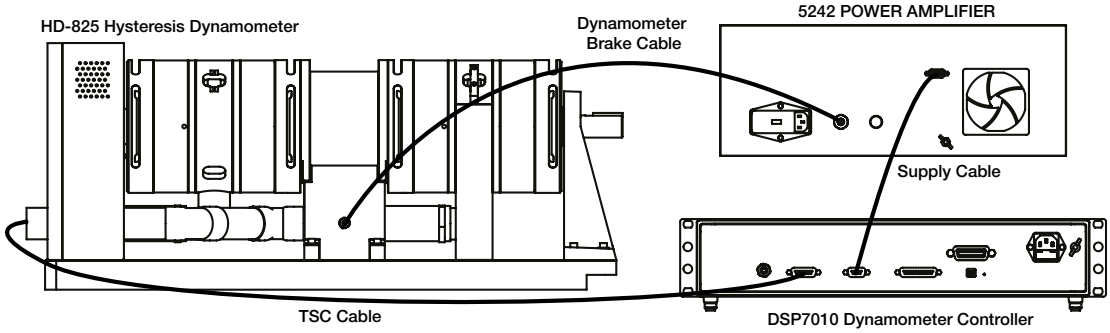
ELECTRICAL CHARACTERISTICS

Current Output	0 to 5 A DC
Control Input	0 to +3 V DC or 0 to -10 V DC
Fuses (5 × 20 mm)	Brake: IEC T 6.3A 250V L IEC T 5A 250V L Power (120 V): UL/CSA T 3A 250V L Power (240 V): IEC T 1.25A 250V L
Power Requirements	330 VA
Voltage Requirements	120/240 V 60/50 Hz

DIMENSIONS

	mm	in
Width	483	19.00
Height	133	7.00
Depth with handles	375 416	14.74 16.38
Weight	13.45 kg	29.66 lb

SYSTEM CONFIGURATION



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ISO 9001 BUREAU VERITAS Certification

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