

TACHOMETER TESTER

For testing electrical and mechanical tachometer generators and indicators, the Ideal Aerosmith Tachometer Tester is engineered and designed to provide maximum efficiency and versatility.

Description

The 17-53-3B/C (bench model) and the 18-53-4B/C (floor model) are both self-contained and self-calibrating. The outside drives are provided with pad mounting flanges. An adapter changes the flanges to screw mounts. The front drives are normally used for driving the generators of the electrical tachometers. A flex shaft can be left on the inside drive for use with centrifugal or magnetic tachometers. Quick-disconnect mounting clamps are provided for four tachometer indicators.

Operating speed at the rates and/or setting can be closely maintained even with a change in load. Speed can be preset if desired, and the drive will quickly accelerate to that speed when the start button is pressed. A control station on the panel includes start and stop push buttons, a reversing switch, and a ten-turn speed control potentiometer with vernier for fine adjustment of speed. The 18-53-4B/C tachometer tester is also provided with a roll out work tray.



Model 17-53-3B/C

- *Manufactured to strict Navy Dept. specifications*
- *Quick disconnect instrument mounting clamps*
- *Digital display comes with certification of traceability to the National Institute of Standards and Technology*
- *Can test up to four tachometers at one time*

Specifications

	Model 17-53-3B/C	Model 18-53-4B/C
Drive Outlets	2 pads on front, 1 pad inside	3 pads on front, 1 pad inside
Speed Range At Drives	Infinitely variable within 180-5000 RPM	Infinitely variable within 60-1750 RPM on center drive 240-7000 RPM on end drives *
Drive Adapters	2 each standard "AN" screw mount	3 each standard "AN" screw mount
Dimensions (Inches)	24.6 H x 20.8 W x 21.4 L	66.6 H x 22.0 W x 22.0 L
Weight (Lbs.)	120	275
Digital Display	4 digit LED, quartz crystal controlled; accuracy of 0.1% ±1 RPM	4 digit LED, quartz crystal controlled; accuracy of 0.1% ±1 RPM
Stability	0.15% when line voltage is ±1%, including Wow and Flutter	0.15% when line voltage is ±1%, including Wow and Flutter
Range	Full range in either direction	Full range in either direction
Power Requirements	115 V, 50/60 Hz (Standard) 230 V, 50/60 Hz (Optional)	115 V, 50/60 Hz (Standard) 230 V, 50/60 Hz (Optional)

* Note: The end and internal drives spin at the speed indicated on the digital display. The center drive spins at 25% of the indicated speed.

Buyers Guide

Model Number	Part Number	Description
Model 17-53-3B/C	225250-3	115Vac, 50/60 Hz, 3 unit tester
Model 17-53-3B/C-230	225250-4	230Vac, 50/60 Hz, 3 unit tester
Model 18-53-4B/C	225275-3	115Vac, 50/60 Hz, 4 unit tester
Model 18-53-4B/C-230	225275-4	230Vac, 50/60 Hz, 4 unit tester

Accessories

- AN Pad to SAE Aero Adapter (P/N: 222070).
- SAE 27-inch flexible shaft (P/N:210965).
- SAE 26-inch flexible shaft (P/N 210966).

For special requirements or custom specifications, contact Ideal Aerosmith, Inc.

Prices and specifications are subject to change without notice

Please state your Power Requirement when ordering

If ordering the percentage version, please state the RPM equivalent to 100% both in your description, and in the form of a Model number suffix as explained above.

Price is in U.S. Dollars

Revision F