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Tachometer Tester (Model 17074-1)

Martech's bench-top 17074-1 Tachometer Tester is a simple and fast instrument for the testing and calibration of electrical and mechanical tachometer generators and indicators.

The 17074-1 Tachometer Tester is compatible with industry-standard AN pad flange mounted tachometers, with ¼" square drive for quick and easy attachment of the tachometer under test.

With a simple menu-driven user interface the Martech 17074-1 Tachometer Tester is very easy to operate and incorporates a precision-controlled servo motor with constant rotational speed feedback for precise and reliable operation.

The PC application, supplied as standard, enables speed profiles to be pre-programmed allowing tachometers to be rapidly evaluated over a range of set speeds with run data saved to the PC for post processing and analysis.

Compatible with all major aircraft tachometer hardware (see table), the model 17074-1 Tachometer Tester can also be customised to test other tachometers.

Key Features:

- M** 250 to 6,000 RPM Actual Drive Speed
- M** Up to 12,000 RPM (optional)
- M** Programmable speed profiles via PC
- M** ±1 RPM Accuracy of Digital Display
- M** High Maximum Torque: 0.88Nm / 125 oz-in
- M** Direct Drive
- M** Simple 5-key user interface with LCD display
- M** Field upgradable firmware
- M** CE approved

Compatible Manufacturer Information: NSN 6680-00-585-1503

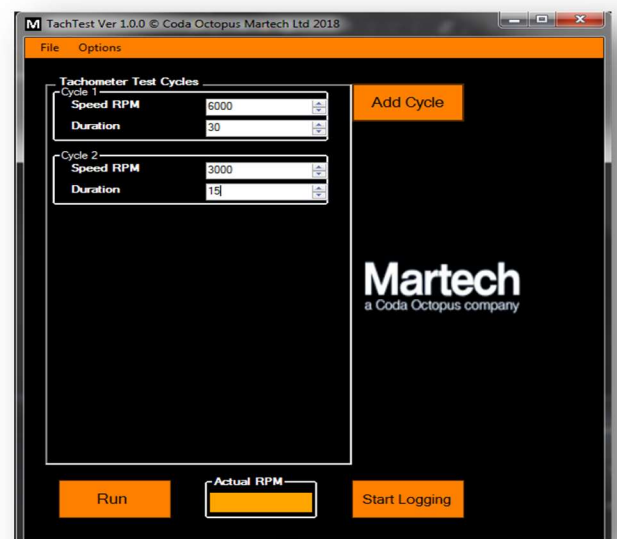
Part No	Cage	Manufacturer
22A524	25140	GLOBE MOTORS, INC. DBA GLOBE MOTOR
22A554	25140	As 22A524
22A623	25140	As 22A524
22A667	25140	As 22A524
22A703	25140	As 22A524
22A736	25140	As 22A524
22A740	25140	As 22A524
32005-002	31435	LUCAS AEROSPACE POWER EQUIPMENT CORP
32005-002	35076	As 32005-005
32005-005	35076	AIRCRAFT APPLIANCES AND EQUIPMENT LIMITED
32005-007	35076	As 32005-005
670764-103	98897	LOCKHEED MARTIN CORP
908799C1	1Y249	AAR DEFENSE SYSTEMS & LOGISTICS
908799C1	55820	UNITED TECHNOLOGIES CORP/ PRATT & WHITNEY
AF AVIONICS S/P IL	1HBK1	MIL-HDBK-300 HQ AFMC-LGIS
AG34	99167	HAMILTON SUNDSTRAND CORP
AG44	99167	HAMILTON SUNDSTRAND CORP
GEU-7/A GEU7/A MIL-PRF-26611 MILG26611	81349	MILITARY SPECIFICATIONS PROMULGATED BY MILITARY DEPARTMENTS/AGENCIES UNDER AUTHORITY OF DEFENSE STANDARDIZATION MANUAL 4120 3-M
GEU7A	23669	AERONAUTICAL AND AERONAUTICAL SUPPORT EQUIPMENT TYPE DESIGNATION SYSTEM/MIL STD 875/
HE468-5001-0001	89372	ROCKWELL INTERNATIONAL CORP NORTH AMERICAN AIRCRAFT OPNS
SE6M50HA79	73506	BRADLEY SEMICONDUCTOR CORP



Technical specification – 17074-1 Tachometer Tester

Tachometer Speed Testing Range	250 – 6,000 RPM, 500-12,000 RPM (optional)
Maximum Torque	0.88Nm (125 oz-in) @ 250-6,000 RPM
Continuous Torque	0.39Nm (55 oz-in) @ 250-6,000 RPM
Drive type	Direct drive servomotor via ¼" square socket
Speed adjustment	Simple user interface with incremental speed programming. USB comms also as standard with simple software app (supplied).
EMC	Tested to BS EN61010 (for control and laboratory use)
Environmental	Temperature -10°C to +50°C operational (-40°C to +70°C storage) Humidity 80% RH at 30°C
Safety	CE compliant
Power	85-264Vac via standard IEC cable (supplied)
Display	4 line dot matrix display. Actual RPM and current target RPM displayed
Accuracy	+/- 1 RPM
Stability	0.15% when line voltage is +/- 1%, including wow and flutter
Overall Dimensions	Width 350mm (13.78")
	Height 165mm (6.5") *without legs
	Height 200mm (7.9") *with legs
	Depth 3000mm (11.8")
	Weight 7.4kg (16.3lb)
Other features	PC interface via USB (Windows application supplied)

All dimensions are approximate



Specification is subject to change without notice.
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