

INSTRUMENT TEST CHAMBER

STANDARD FEATURES – Model 16-11-2

- Two instrument test capacity
- Durable aluminum casting for chamber
- Aluminum alloy door
- Chamber door is precision-fit with adjustable hinges and “quick-acting” double safety latch
- Heavy-duty Plexiglass viewing window
- Front-mounted sensitive needle valves for accurate control of pressure, vacuum, and venting
- Vibration generator to eliminate instrument friction
- MS-type electrical connectors

STANDARD FEATURES – Model 16-13-8A

- Eight instrument test capacity
- Durable, all-welded construction
- Safety valve to prevent over-pressurization
- Positive-seal safety door
- Heavy-duty Plexiglass viewing window
- Interior lighting
- Vibration generator to eliminate instrument friction
- MS-type electrical connectors

DESCRIPTION

Developed specifically for use in instrument and transducer calibrations, the chamber is used in the calibration and final testing of the numerous and diverse pressure and vacuum sensitive aircraft instruments.

The Model 16-11-2 test chamber is designed to test two instruments at a time. Complete with an aluminum alloy door and optional mounting brackets, this model is affordable and efficient. High-precision Ideal Aerosmith valves regulate the vacuum, pressure, and vent flows. The



Model 16-11-2



Model 16-13-8A

Plexiglass viewing window and optional instrument mounting brackets provide clear vision of the instruments being tested. This chamber also has a vibration generator to eliminate instrument friction.

The Model 16-13-8A test chamber allows the operator to test up to eight instruments at one time. The welded steel construction assures a broad margin of strength and safety. High-precision Ideal Aerosmith valves are incorporated to regulate vacuum, pressure, and vent flows. The chamber is complete with a vibration generator to eliminate instrument friction, and a removable instrument mounting rack to facilitate faster instrument setup times. Instrument mounting brackets will be built to specifications or removed if desired. The door is a double access, positive-seal arrangement with safety features incorporated to prevent accidental opening while the chamber is pressurized or evacuated. This chamber includes interior lighting for better instrument readability.

OPTIONS

- Transformer for 230VAC

For special requirements, please contact Ideal Aerosmith regarding system customization.

Specifications by Model

	Model 16-11-2 (2 tester model)	Model 16-13-8A (8 tester model)
Dimensions, inches (Outside)	16L x 10.25H x 15.5W	25.5L x 17.5H x 16.5W
Dimensions, inches (Inside)	10.5L x 5.5H x 12W	20L x 14H x 14W
Door Opening, inches	10.63 x 5.50 (oval)	14.75 (diameter)
Operating Pressure	.002 to 35 absolute PSI	.002 to 50 absolute PSI
Shipping Weight, lbs.	44	225
Electrical Requirements	115 V 50/60 Hz, .3 AMP	115 V 50/60 Hz, .3 AMP
MS Type Electrical Connectors	MS3102E20-27P	MS3102E20-27P

Buyer's Guide

Model Number	Part Number	Description
Model 16-11-2	16-11-2	2 unit tester with brackets
Model 16-11-2NB	16-11-2NB	2 unit tester without brackets
Model 16-13-8A	16-13-8A	8 unit tester
230Vac Transformer	N3MG	230Vac Transformer

For special requirements or custom specifications, contact Ideal Aerosmith. Specifications are subject to change without notice. Please call for pricing.

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