

STORES MANAGEMENT SYSTEM TESTER

Tough, yet versatile enough to bring the backshop out to the flightline, or test the world's most advanced 5th-gen fighter, the F-22's SMS Wrap Around Tester (SWAT) .



Compact, Simple, Capable

Fighter aircraft must operate in the planet's most demanding environments. Shouldn't you demand the same reliability from the equipment designed to support them?

WilliamsRDM's Armament Test System was designed from the ground up to be the fastest, most reliable "I" and "O"-level tester in harsh environments. The ATS architecture is designed to be reconfigured to function across multiple aircraft platforms for troubleshooting Alternate Mission Equipment (AME).

ATS's enhanced sequencing optimizes test programs to run efficiently, minimizing cable swapping. Armaments can be easily added to the configuration. With the intuitive interface and the reduced logistics footprint, users will operate faster and more accurately in their backshop testing.



Why Choose Armadillo?

UPDATE. UPGRADE. REPAIR...IN THE FIELD

Updates to AME are easily added to reduce downtime and user frustration. The system is field repairable at the component level.

QUIET & COOL

Specific placement of internal fans and use of low-power components in an environmentally protected container directs heat away from critical components to reduce heat, while maintaining an almost non-existent acoustic footprint.

SELF-CONTAINED & SECURE

All software, and security measures, are contained in the tester, so it does not require an external client for access.

SELF TESTING

Includes self test internal circuitry that assists user in quick fixes to get up and running again.

SUPPORTED AME

Underwing Launcher Adapter
AIM-7
Wing Weapon Pylon/MAU-12
Left Hard Point (5L)
LAU-129A/A Launcher
Right Hard Point (5R)
LAU-129 AIM-9 Power Supply
MAU-12D/A Bomb Rack
SUU-20B/A Training Dispenser

M61A1 Gun System
TER-9A Electronic Control Unit
Wing Stations (AG & AA)
TER-9A Weapons Rack
Centerline Station
LAU-88A/A Launcher
BRU-57
LAU-88 Launcher Electronic Unit
LAU-118(V)5/A Launcher

LAU-117A(V)4/A Launcher
16S210 AIM-9 Launcher
LAU-117 Launcher Electronic Assembly
16S200 AIM-9 Launcher Power Supply
Gun Control Unit
PIDS Pylon (excluding EW)
Centerline Pylon

TECHNICAL SPECIFICATIONS

TEMPERATURE

Operating: -20 C to 60 C;
Storage: -40 C to 85 C

HUMIDITY

Operating: 95% ±5%

ALTITUDE

Operating: 8000 ft (2400 m)
Non-operating: 20,000 ft (6000m)

VIBRATION

Operating: 20 to 1000 Hz@0.04g²/Hz
Non-operating: 1000 to 2000 Hz@ 0.04 g²/ Hz

SHOCK

30 g's for 6 to 9 ms duration (Non-operating)

RAIN

4 in/hr with 40 mph wind (10cm in 64km/h)

SALT ATMOSPHERE

48 hr exposure

EXPLOSIVE ATMOSPHERE

Operating in ambient-explosive gaseous-mixture

SAND AND DUST

6 hr operating in 1750 ft/min blowing dust of 0.3g/ft³

SOLAR LOAD

104W/ft²

SIZE

18" L x 11"W x 14"H
(45cm x 28cm x 35cm)

WEIGHT

37 lbs max. (16.7 kg)

PORTABLE

One person

REPAIRABLE

Under 3 hours

About WilliamsRDM

WilliamsRDM is a leading developer and manufacturer of ground support equipment, armament system testers, cables, and connectors used for performing preload and I/O level testing on platforms including the F-16, F-35, F-15, F-18, F-22, A-10, and V-22. We have decades of experience in all phases of electrical, mechanical, and software engineering. We have a reputation for consistently meeting customer requirements for quality, delivery, risk, and value. WilliamsRDM is a complete turn-key operation; all manner of business—from fabrication and assembly to design and engineering—are conducted in-house.

WilliamsRDM is a woman-owned, small business operating in Fort Worth, Texas since 1963.

