

## ALL-IN-ONE COMMON FLIGHT-LINE TESTER

For the past 15 years, the WP500 Smart Weapons Tester and its variants have been deployed to 14 FMS countries on hundreds of Boeing and Lockheed Martin aircraft.

The new 500-series combines the functionality of multiple platforms into one, handheld, common, flight-line tester including smart weapons.



an AS9100D / ISO 9001:2015 manufacturer

## A Legacy Rooted in Innovation



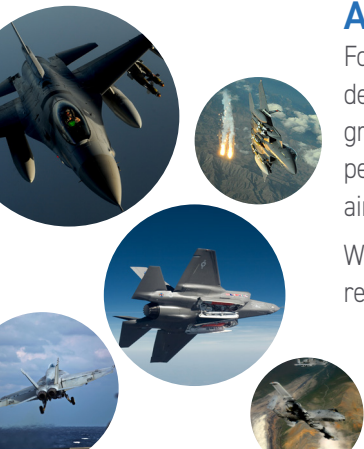
WilliamsRDM's WP500 Smart Weapons Tester is a single handheld tester that replaces the current WP440, WP416, and WP435 DVDs. Not only will our WP500 tester perform new test functions, using our next-gen cables it will do so faster with automated TPS's. You can also leverage your legacy cable inventory for discrete test functions by integrating our legacy cable adapter.

### About WilliamsRDM

For over 60 years, WilliamsRDM has been a leading developer and manufacturer of armament system testers, ground support equipment, cables, and connectors performing preload and I/O level testing on all major fighter aircraft platforms.

We have a reputation for consistently meeting customer requirements for quality, delivery, risk, and value.

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



## New Features

### SMART WEAPONS

Testing Support with full 1553 multiplex bus testing capability

### AUTOMATED AND SPEEDY

Testing with user-supportable TPS's

### EASIER TO USE

New TPS's and TPS mods can be performed by the customer without using expensive hardware or software

### REAL-TIME

on-screen measurement data

### IMPROVED REPORTING

Exportable XML formatted TPS Reports

### BATTERY LIFE

Commercially available Li-Ion rechargeable battery provides up to 50-hour battery life

# TECHNICAL SPECIFICATIONS

## NEW SPECIFICATIONS

### AUTOMATED TESTING

Customer maintainable TPS's

### TPS REPLAY

Aids in fault isolation

### AVIONICS DATABUS FOR SMART WEAPONS

Mil-Std 1553 / 1760 BC/RT/MT

### BATTERIES

Li Ion rechargeable

>50 hr life in normal operating mode

Can draw power from aircraft

### OPERATING TEMPERATURE

-40°C to +60°C

### VIDEO GENERATION

RS-170

### REPORT GENERATION

XML or text format

### MULTI-PLATFORM

F-15, F-16, A-10, F-35

### SIZE

5.4" H X 2.6" W X 3.4" D  
(14 cm x 66 cm x 86 cm)

### WEIGHT

1.2 lb (0.5 kg)

### ENVIRONMENTAL/EMI

Mil-Std-810 / Mil-Std 461

### DIGITAL DISPLAY

LCD, readable in all light conditions

### STRAY VOLTAGE

3 ohm / 1.5 ohm Load

10kHz

### INPUT PROTECTION

SV/EED Overload Protection

### ACCURACY

DC: 1% typical, 5% max, 0.1 to 320V  
AC: 5% max, 10Hz to 100kHz RMS

### EED TEST

EED1: 2.5A

EED2: 4.25A

### MISSILE DIAMOND ROTATION

Used on LAU-129 and 16S210 checks

### MISSILE AUDIO GENERATION

Used on LAU-129 and 16S210 checks

### HIGH VOLTAGE CHECK

115VAC, 175VDC, 270VDC

# AME INTERFACES

## F-16



AIM-7 Missile Interface Cable

AIM-9/AIM-9X/AIM-120 Missile Interface Cables

BRU-46/A Bomb Rack

BRU-57 Bomb Rack (2-unit Smart Bomb Rack)

BRU-61 Bomb Rack (4-unit Smart Bomb Rack)

LAU-68 A/A, B/A, LAU-131/A Umbilical (Rocket Launcher)

LAU-88, LAU-117 Umbilical (Launcher for AGM-65 Maverick)

LAU-118 1/A & 4/A Umbilical (Launcher for AGM-88 HARM)

LAU-129 (Launcher for AIM-9 and AIM-120)

SUU-20 (Practice Bomb Adapter)

TER-9 & TER-9/A & TER-9A MOD (Triple Ejector Rack)

M61A1 Vulcan Gun

16S210 Launcher

HIAK Block I and II Umbilical Test

Dual Rail Adapter

Centerline Pylon

Wing Weapons Pylon

## F-15



BRU-46/A Bomb Rack

MAU-12 (Ejector Rack)

LAU-106/A (Launcher for AIM-7 and AIM-120)

LAU-117 umbilical test (Launcher for AGM-65 Maverick)

LAU-128 (Launcher for AIM-9 and AIM-120)

SUU-20 (Practice Bomb Adapter)

M61A1 Vulcan Gun

## A-10



SUU-25/LAU-3A MER/TER

LAU-88, LAU-117 Launcher (Launcher for AGM-65 Maverick)

MAU-40 & MAU-50 (Ejector Rack)

MER/TER-9 & TER-9/A (Triple Ejector Rack)

## F-35



IRCM adapter

RFCM adapter

ARL adapter