

DIGITAL ARMAMENT CIRCUITS TEST SET

The 400-series Digital Voltage Detector (DVD) has been deployed across the globe in various configurations for F-16, F-35, F-15, and A-10 with a legacy of reliable and rugged ground support equipment



Compact, Simple, Capable

The brains of the WilliamsRDM current DACTS kit is the 400 series Digital Voltage Detector (DVD), the easiest-to-use, most reliable pre-load tester in the military today. The 400 was developed internally from the ground-up to improve the effectiveness of the maintainer while reducing the testing time associated with the legacy 467 testers.

Our 400-series DVD is the preferred flightline tester on many USAF and FMS programs, including the A-10, F-15, F-16 and F-35 platforms.

Hand held and compact, DVD is used to facilitate aircraft

electronic testing of the armament circuits at the pre-load level of maintenance.

WilliamRDM's DVD is designed to withstand harsh environmental conditions and a drop from heights up to seven feet. It has a simple push-button design, which makes it easy to hold and operate with one hand, even when used with gloves.



Why Choose DACTS?

3RD GENERATION CABLES

Cable jackets are flexible yet durable with strain relief up to 75 lbs. Environmentally sealed. Threaded backshells for field repairability.

Y CABLES

Improved efficiency for one DVD to run tests on two breeches at the same time.

IMPROVED USER EXPERIENCE

The DVD interface is easily read in low light or direct sunlight. The user can see the actual measurements.

INCREASED BATTERY LIFE

Battery life has been extended to 50 hours with use of two COTS "AA" batteries and a low-power design.

PREFERRED TESTER

DACTS and DVD are the preferred preload testers in seven countries.

SUPPORTED AME

M61 A1 gun system
AIM-9/16S210
MER/TER-9A
1760 Weapons/BRU-57

MAU-12
AIM-7 Pylon (RDRL)
LAU-117
LAU-88A/A

LAU-118
SUU-20
LAU-129
HIAK

TECHNICAL SPECIFICATIONS

MAXIMUM INPUT VOLTAGE

+/- 330 Vdc / 240 Vac

BATTERIES

2 AA COTS alkaline

BATTERY LIFE

50 hours in normal operating mode

SIZE

Kit: 26.5"W x 18.9"D x 13.4"H
(67 cm x 48 cm x 34 cm)

DVD: 5" H x 2.3"W x 2.5"D
(13 cm x 6 cm x 6 cm)

WEIGHT

Kit with cables: 52 lb (23.5 kg)

DVD: 0.94 lb (.426 kg)

TEMPERATURE

Operating: -40 C to 60 C

ENVIRONMENTAL

Mil-Std-810

DIGITAL DISPLAY

LCD, readable in all light conditions

CALIBRATION CYCLE

24 months in normal operating mode (AFMETCAL)

ACCURACY

DC: 2% typical, 5% max rms 10Hz to 10kHz AC: 5% max, true

INPUT PROTECTION

SV/EED Overload Protection

AT TEST ACCURACY

5 +/- 0.5 ohms

PV TEST

PV1: 300 ohm Load PV2: 2Meg ohm Load

STRAY VOLTAGE

3 ohm Load

EED TEST

EED1: 2.5A +/- 0.5 A EED2: 4.25A +/- 0.25 A

MISSILE DIAMOND ROTATION

AIM-9/16S210 and LAU-129 FWD

MISSILE AUDIO GENERATION

AIM-9/16S210 and LAU-129 Mid-body & FWD

HIGH VOLTAGE CHECK

115VAC, 175VDC, 270VDC

MUX TRAFFIC CHECK

1553 MUX Traffic Check on 1760 Interface

LAU-1VMID-BODY CHECK FOR AIM-9X/AIM-120 1760 MUX TRAFFIC CHECK

MUX Address Check

28VDC

115VAC 3 Phase

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.

