

WesTest-2000/DATS

Digital and Analog Test Set

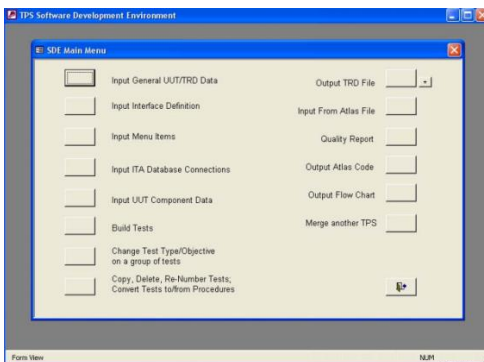
Adaptable • Flexible • Scalable • Affordable



DOD sanctioned USAF F-16 Depot Test
Stand NSN 4920-01-505-1038
Analog, Digital and RF Test 400+ TPSs



Mature Software Development Suite, featuring:



- TRD Generation
- TPS Generation
- Program Emulation
- Flowchart Output
- Quality Report

Extraordinary Test Executive

- Hardware Independent Middleware Driver Architecture
- Multiple TPS Development Languages - ATLAS, LabView, LabWindows, C++
 - Extensive test program debug tool SetVariable & Measurement Monitoring
 - Instrument Soft Front Panel Control
 - Force GO, Force FAIL, Single step
 - Signal path mapping (UUT to Instrument)
- Exclusive TPS quality tool set

WESTEST™
Engineering Corporation

ISO 9001:2008
AS 9100C
registered

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WestTest-2000 Series Specifications

Computer System

Intel Xeon 3 GHz CPU (minimum)

- 4 GB SDRAM Memory
- Video Card with 64 MB RAM
- 250 GByte Hard Disk Drive Unit
- USB Optical Mouse
- USB Keyboard
- IEEE-488 Bus Controller card
- MXI-3 Interface Controller cards
- 24" LCD Flat Panel Color Monitor
- DVD-ROM and CDRW Drive
- (2 drives or 1 with both capabilities)
- Ethernet Adapter
- Black and White Laser Printer

Adaptable Options

Rollup Augmentations

- RF (USAF) –
- RF (BAF) –
- Pneumatic System –
- Electronic Load Assembly –

Software Options

- LabWindows CVI w/Teststand
- LabView
- C++

Core Instruments

Measurement Subsystem

Digital Multimeter – Keysight 1412A (VXI, 6.5 digit resolution)
Universal Counter/Timer – Keysight E1420B (VXI, 2 Chan, 200 Mhz, 9 digit)
Digital Oscilloscope – Keysight MSO6054A 500 MHz (4 Chan, 16 Dig, 4 G/sec)
Synchro/Resolver to Digital Converter – North Atlantic 65CS4 (VXI)

UUT Power Subsystem

Fixed DC Power – Lambda LZS-50
Fixed DC #1 (+5 VDC @ 8.5 Amps) Fixed DC #2 (+15 VDC @ 4 Amps)
Fixed DC #3 (-15 VDC @ 4 Amps) Fixed DC #4 (+28 VDC @ 2 Amps)
Programmable DC Power – Ametek 5702472-01 (Modular System)
Programmable DC #1 (-20 to +20 VDC @ 30 Amps)
Programmable DC #2 (-20 to +20 VDC @ 30 Amps)
Programmable DC #3 (-20 to +20 VDC @ 30 Amps)
Programmable DC #4 (-40 to +40 VDC @ 15 Amps)
Programmable DC #5 (-40 to +40 VDC @ 15 Amps)
Programmable DC #6 (-80 to +80 VDC @ 7.5 Amps)
Fixed AC/DC Power – Transformer Assembly
Fixed AC #1 (25.2 VAC) Fixed AC #2 (12.6 VAC) Fixed AC #3 (6.3 VAC)
Programmable AC/DC Power – Ametek CSW5J0C5X8200
Programmable AC #1 (0 to 312 V, 1,850 VA, DC or 40 Hz to 5000 Hz)
Programmable AC #2 (0 to 312 V, 1,850 VA, DC or 40 Hz to 5000 Hz)
Programmable AC #3 (0 to 312 V, 1,850 VA, DC or 40 Hz to 5000 Hz)

Stimulus Subsystem

Digital to Synchro & Resolver Converters – North Atlantic's VXI 65CS4
AC Stimulus System – North Atlantic's VXI 65CS4
Arbitrary Function Generator – Agilent E1445A Arbitrary Function Gen (2)
Digital to Analog Converter – Keysight E1418A 16 Channel D/A (16 channels)
Arbitrary Waveform Generator – Keysight E1441A Arb Waveform Gen (2)
Pulse Generator – Racal Instruments Pulse Generator Model 3172 (50 Mhz)
Variable Gain Amplifiers – North Atlantic VXI-5410C-56-1 (4 Chan)

Digital Subsystem

Dynamic Digital Test Unit – Teradyne Di-Series Digital Test Instrument
10 DI-025-24 Channel Cards and a DI -050-31 Utility Card
MIL-STD-1553 Tester – GE QVXI-1553-2M MIL-STD-1553 Bus Interface Card

Switching Subsystem

Test Point Switching and Routing System – Keysight E1467A 8X32 Matrix and
Keysight E1460A 64 Channel Multiplexer.
General Purpose Switching – Keysight E1442A Form C (5, 1 Amp)
High Current Switching – Keysight E1463A Form C (5 Amp)
Digital Switching – Digital Test Unit (215 channels)
Coaxial Switching – Astronics 3000-4320 Coaxial Multiplexer (1.3 Ghz)
Interface Connector Assembly – Virginia Panel VXIbus Receiver (series 90)

UUT Blower Assembly – Programmable from 0 to 340 CFM with flow monitor.
UUT power can be shut down if airflow ceases.

Universal System Input Power - 3 Phase, 50/60Hz, 208 – 460 VAC

WESTEST™

ENGINEERING CORP
ISO 9001:2008 CERTIFIED

BRUCE PETTY

BUSINESS DEVELOPMENT MANAGER

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