

# WAVECORE™ ADT Model 7000



## BETTER, FASTER, MORE AFFORDABLE TESTING

Textron Systems Electronic Systems' WaveCore™ Analog/Digital Test (ADT) System is a complete automatic test system packaged in a one-bay, premium 3/4 height 19-inch rack assembly. It is designed for fast, accurate, and repeatable functional testing of a variety of electrical and electronic products in high-volume production environments, as well as development and engineering applications.



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**TEXTRON** Systems

# WAVECORE ADT MODEL 7000

With decades of expertise providing highly reliable, efficient automated test systems, our turnkey WaveCore ADT Model 7000 incorporates the insights of our team and feedback from our customers, experienced test engineers and managers who know that there's much more to system development than racking and stacking equipment. A system's value lies in comprehensive documentation, reliable self-test capability, a solid base software environment, and expert system maintenance — Textron Systems is your trusted partner.

## FEATURES AND CAPABILITIES

- Analog and digital testing in a single station
- Development and production environments
- Standard configuration (no NRE) with expandable architecture
- Standard instruments can be updated easily for future applications
- Standardized, supported software package
- Mature self test and calibration routines
- Easy to program

## APPLICATIONS

- Automotive controllers
- Circuit card assemblies
- Consumer electronics
- Line-replaceable unit (LRU) assemblies for fixed- and rotor-wing aircraft
- Medical devices
- Satellite board and box test
- Semiconductor devices

## KEY SYSTEM COMPONENTS

QTY	COMPONENT	DESCRIPTION
1	One-bay rack with power distribution	EMCOR premium 3/4 height 19-inch rack assembly with UPS
1	Computer	System controller
1	Computer monitor	19-inch touch screen monitor
1	PXIe-1085	18-slot 3U PXI express chassis
1	PXIe-PCle8381	NI PXIe-8384
1	PXI-4072	FlexDMM and LCR meter
2	PXI-2569	High-density, general purpose SPST relays
1	PXI-2564	16-channel, 5 A SPST (Form A) relays
2	PXI-2527	128-channel, multi-configuration multiplexer/matrix switch
1	PXI-5114	250 MS/s, 8-bit oscilloscope/digitizer
1	PXIe-2593	500-megahertz multiplexer/matrix
1	PXI-8431/4	(RS485/422)
1	PXI-7853R	FPGA 8 AI, 8 AO, 96 DIO
1	OmniBus® (Optional)	Multiprotocol 1553/429 avionics bus interface
1	GENH20-38-LAN-U	20VDC, 38A power supply with LAN connectivity
1	GENH30-25-LAN-U	30VDC, 25A power supply with LAN connectivity

### Textron Systems

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