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Find the *Philips DTS270* at our website: ***Click HERE***

DTS270



DTS270 Low Cost Unit Tester

Features

- 3,840 Digital & Analog I/O
- Automated Operation
- Serial Protocol Emulation
- Bus Emulation
- Load & Terminator Simulator
- Waveform Analysis & Synthesis
- Test Data Login & Report Generation

Applications

- Production Testing
- Satellite Life Cycle Validation
- Performance Testing

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Summary

Phillips' DTS270 Unit Level Test System is a low cost comprehensive, automated test system capable of powering, fixturing, stimulating, and monitoring a wide range of electronic units under test (UUTs). The various pieces of test equipment are controlled and monitored from a single test environment software application operating on a Windows PC.

The DTS270 is designed around the Phillips ICX universal test interface combined with the Phillips XP10 non-blocking scanner interface. All test equipment resources are routed in an organized fashion to a receiver unit. The DTS270 is the perfect tester for limit testing, design validation, production testing, and life cycle testing. The DTS270 offers this tremendous testing capability at far lower initial and life cycle cost that other testers on the market today.

By attaching various Interface Test Adapter (ITA) modules to this interface, the user can completely change the configuration of the system in a short amount of time. A test table located in front of the console includes universal mounting slots to support installation of custom fixtures. The integrated test control PC includes a 17" monitor and rack mount keyboard with integrated mouse.

The DTS270 represents a new level of very efficient unit testing with completely unattended operation and a unique digital test capability supporting 3,840 scannable, bi-directional signals with independent direction and level settings (more channels can easily be supported in a larger rack). ICX FPGA based digital I/O modules can provide the customer with interfaces that operate up to 50 MHz, performing basic parallel I/O and complex multi-wire protocol Testing.

Specifications

Features*

Programmable Power Supplies:	
Agilent 6654A:	0-60 V at 9 A
Agilent E3631A:	0 to -25V at 1A
	0 to +25V at 1A
	0 to +6V at 5A
OVP:	Phillips 706-1000 OVP
	All power supplies
	Auto-disconnect feature
Arbitrary Waveform Generator:	
	Agilent 33220A, etc.
Digital Multi-Meter:	Agilent 34401A, etc.
Digital Oscilloscope:	
	Tektronix TDS3k series
Switching System:	Phillips XP10
	Eight way by up to 3,840 non-blocking
	25 MHz bandwidth
	1 A carrying capacity
Digital I/O System:	Phillips ICX
	Variable Voltage +/-15v, 2mV increments,
	Differential TTL/RS422 (native)
	TTL (native)
	LVDS (native)
	Support up to 3,840 channels
Other I/O:	Passive (LCR) loads to 2kW
	Termination, active and passive
PC Workstation:	Windows XP PRO or Visio
Application Software:	
	Phillips DTS270 ATE Test Executive

**Sample configurations show, many others possible, please contact the factory.*

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