



Universal Diagnostic Testers Data Sheet

PROVIDING TEST DIAGNOSTIC and AUTONOMIC LOGISTICS

Three Variants of Tester

XL Tester: Primarily for manual mode troubleshooting, adjustable mounting for various computing device configurations.

XI Tester: Manual mode troubleshooting capabilities as well as automation capabilities, circular type connectors allows an interface to the test environment, wireless or wired connection to computing device.

XT Tester: Most capable tester that includes the resources within the XL and XI testers, in addition to a CompactRIO chassis with Analog Inputs and Discrete Outputs, wireless or wired connection to computing device



All 3 include the XTPS Builder which allows users to rapidly develop new TPSs using a pre-developed instrumentation command set.



XL TESTER

Description	Specification
Computer: Selectable As Shown Panasonic CF 19 P/N: CF-19FHGAXAM	Windows XP
USB DMM National Instruments Model: NI-USB-4065	6½-digit resolution, AC/DC voltage, AC/DC current, 2- or 4-wire resistance, and diode test, ±300 VDC/Vrms isolation
Scope CH1 Elan Digital System Model: USBscope50	30V/3V/0.3V input ranges with x1 probe. DC-75MHz analog bandwidth AC or DC coupling DC-75MHz analog bandwidth
Scope CH2 Elan Digital System Model: USBscope50	same as Scope CH1
USB TDR Hyperlabs Model: HL8200USB	200 ps risetime Digital Time Base 10.2ps resolution
CAN Dearborn Group Model: DPA4PLUS	USB
MIC BUS	PCMCIA

XI TESTER

Specifications

Computer: Selectable As Shown Armor X10	Windows XP	General Purpose Relays National Control Devices P/N: XR1610 (wireless control)	2 bds x 16 rel=32 relays 10 Amp
USB DMM National Instruments Model: NI-USB 4065	1 V 10 V 100V	Internal PWR Relays National Control Devices P/N: XR820 (wireless control)	8 relays 20 Amp
	0.1 KOhms 1 KOhms 10 KOhms 100 KOhms	Discrete Relays National Control Devices P/N: XR3210 (wireless control)	32 relays 10 Amp
SignaMetrics Model: SMU 2060 (wireless control)		Power Supply Vicor P/N: VA-A2104064	28V 5V
Scope CH1 Elan Digital System Model: USBscope50	30V/3V/0.3V input ranges with x1 probe. DC-75MHz analog bandwidth AC or DC coupling DC-75MHz analog bandwidth	Power Supply Vicor P/N: VA-AH2104012	±15V
Scope CH2 Elan Digital System Model: USBscope50	same as Scope CH1	Variable Voltage (wireless control)	3.5V to Vehicle Pwr
USB TDR Hyperlabs Model: HL8200USB	200 ps risetime Digital Time Base 10.2ps resolution	Switch Matrix (wireless control)	2 x 128 2 x 32
CAN Dearborn Group Model: DPA4PLUS	USB		

XT TESTER

Specifications

Computer: Selectable As Shown Convertible V105M-1-B	Windows XP	UADR1610PROXR Internal PWR Relays National Control Devices P/N: XR820 (wireless control)	(wireless control) 8 relays 20 Amp
USB DMM National Instruments Model: NI-USB 4065	1 V 10 V 100V	Power Supply Vicor P/N: VA-A2104064	28V 5V
	0.1 KOhms 1 KOhms 10 KOhms 100 KOhms	Power Supply Vicor P/N: VA-AH2104012	±15V
Scope CH1 Elan Digital System Model: USBscope50	30V/3V/0.3V input ranges with x1 probe. DC-75MHz analog bandwidth AC or DC coupling DC-75MHz analog bandwidth	Variable Voltage (wireless control)	3.5V to Vehicle Pwr
Scope CH2 Elan Digital System Model: USBscope50	same as Scope CH1	Switch Matrix (wireless control)	2 x 128 2 x 32
USB TDR Hyperlabs Model: HL8200USB	200 ps risetime Digital Time Base 10.2ps resolution	CompactRIO Chassis National Instruments (wireless control)	8 slot 1M gate
CAN BUS Dearborn Group Model: DPA4PLUS	USB	Compact RIO Analog Inputs National Instruments Model: NI 9205 (wireless control)	±10V 5cards x 16ch=80 ch
MIC BUS	PCMCIA	Compact RIO Discrete Output National Instruments Model: NI 9476	2cards x 32ch=64 ch
General Purpose Relays	2 bds*16 rel=32 relays 10 Amp		