Quality Network Inc.

QNET

Technical Data

P3123 4-Channel Case Depth Tester

The 4-Channel case depth test instrument features a portable (laptop case) industrial PC and a four-channel transmitter/receiver board. The data acquisition software automatically switches up to four transducers (as assigned by software settings) for the applicable test locations with varying surface geometries. The Windows7® Professional (64-bit) based software can be customized to individual user requirements. The 20MHz ultrasonic transducer is contained in polystyrene wedge housing (removable), which is custom-fitted to the surface geometry as specified by the purchaser.

HVUT (High Voltage Ultrasonic Testing) Board

Four-Channel in time-division multiplex transmitter/receiver, independently selectable;

Transmitter Voltage:	Adjustable from $0V_{ss}$ to $800V_{ss}$
Analog Filters:	5MHz, 10MHz, 20MHz & 25MHZ
Averaging Functions:	Selectable from 1, 2, 4, 8, 16, 32, 64, 128, 256 & 512 per shot
Shot-Distance:	P1Hz to 2,000Hz
Adjustable Gain:	0dB to 76dB, switchable 20dB attenuator
Trigger:	Internal (time-controlled), external, manual, 2-axis coordinate interface
I/O:	CTP-trigger interface, LED, RF output
Power Consumption:	<10W during operation
Form Factor:	PCIe card, custom length
PCIe x1 Power Supply:	3.3V (3A), 12V(9.6A) or external power supply
Communication:	USB 2.0 interface (Type B connector)

Laptop Computer

Case	Getac X500 laptop computer w/ expansion chassis, 15.6" TFT LCD Display, 1920x1080 resolution
Dimensions	410mm (16.14") width, 290mm (11.42") depth, 125mm (5") height
Weight	6.9 kg (15 Lb.)
Operating Temperature	0°C to +40°C (32° to 104° F) @ 5% to 95% humidity
Internal Power Supply	8700mAH, 9 cells, 10.8V battery pack (approx. 5hrs. operation)
External Power Supply	Universal AC adapter 90W; input 100 to 240V, output 19V

Documentation

P3123	User Manual and operating instructions
Getac X500	User Manual