



XU-2468c FLAW DETECTOR

Features of the XU-2468c

- **Eight Pulsar/Receiver Channels**
- **Large, bright LCD Color display** — gates color coded to show operation and adjustable waveform color.
- **Individual Flaw/Thickness operation for gates** — Allows both flaw, flaw location, and thickness measurements on the same channel.
- **Fast and Easy Test Setup**—Direct Access Keys and Quick Knobs allow immediate changes of multiple functions.
- **Digital Single Shot Peak Detection**— Accurately takes measurements each rep, at a rep rate of up to 24 KHz.
- **A HELP key puts answers at your fingertips**

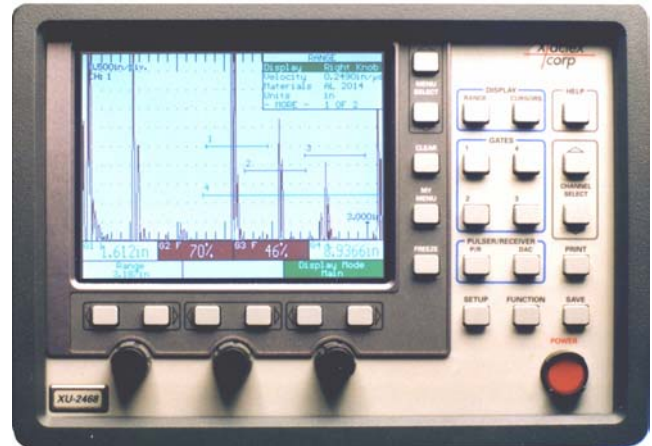
The XU-2468 is an eight-channel flaw detector and thickness gauge incorporating a liquid crystal display panel. Its high speed systems capability, coupled with its user-friendly design, and features make the XU-2468c an excellent choice for many applications.

Digital Single Shot Peak Detection enables the instrument to detect and measure a flaw or thickness in a single rep. This, combined with a rep rate of up to 24 KHz, results in unparalleled high speed testing.

Each Channel incorporates four gates to provide unmatched flexibility and economy. Any of these gates may be enabled as a flaw detector to take amplitude measurements. In addition to this, flaw gates 1-3 are capable of taking a flaw location measurement when the gate is tripped. Gates 1 and 4 can be enabled as thickness gates with Gate 4 acting as a Hi-Resolution thickness gauge with a resolution in steel of ± 0.0005 in. Gate 1 can be used as a surface detector for any gate set to surface follow.

Coupled with this is the ability to combine gate measurements from any channel in multiple combinations. This creates exceptional versatility in configuring the instruments outputs. Amplitude measurements from all gates can be combined for a single output, or left uncombined for individual gate readings. The same can be done for thickness to find the thickest and thinnest measurements taken.

The large display screen provides an uncluttered view of the waveform. Four measurements and three Quick



Knob functions are visible without interrupting the waveform display. A pop-up cursor enables quick setup of ultrasonic tests and provides measurements of both thickness and amplitude.

Testing can begin quickly with the XU-2468. Direct Access Keys (such as PULSER/RECEIVER, GATE 1-4, and RANGE) require only a single key stroke for immediate adjustment of multiple instrument functions using the three Quick Knobs. The left and middle Quick Knobs are reserved for frequently changed parameters while the right knob is for adjusting the current menu selection from the popup menu which appears in the upper right hand corner of the display. Menu selection is done through the Menu Select up and down keys. The menu disappears at the touch of a key, so the waveform display remains uncluttered.

A user-defined key, MY MENU, can be set up by the operator to access the three functions they most often use.

If you have any questions you do not need to search for your manual. Press the Help key and a pop up window immediately displays a description of the function you are adjusting.

The advanced design and performance of the XU-2468 provides high-speed testing without complicated setup procedures, so you can concentrate on your testing...not an instruction manual.

ADDITIONAL FEATURES

- **Split Screen** allows the A-Scan and a magnified section of the A-Scan to be displayed simultaneously.
- **Internal Memory** can store up to 10 waveforms and 30 setups.
- **Supported** by NDT Silver software.

XU-2468c

Key Features and Specifications

Direct Access Keys

PULSER/RECEIVER.....allows access to all P/R functions, including Gain, Rep Rate, Reject, and Damping.

GATE 1-4individual access to all gate settings including Position, Alarm Level, and Qualifiers.

RANGEcontrols horizontal range functions, such as Display Range, Delay, and material velocity.

MY MENUuser-defined key to access the three most frequently-used functions.

FUNCTION.....access advanced instrument setups, such as Buzzer, Setups, Waveforms, and I/O.

CURSORSallows quick on screen Amplitude/Thickness measurements, without repositioning a Gate.

SETUPgate enabling and gate operation.

Special Keys

CHANNEL SELECT selects the channel to be displayed.

SAVEsaves the waveform and measurement fields.

PRINT prints the displayed waveform and measurement fields.

FREEZE freezes the displayed waveform for analysis or printing

DAC.....provides access to the dac setup screen and menu.

Physical Specifications

Dimensions.....9 1/8"W x 6 5/8"H x 16"D

Weight 15 lbs.

Operating Temperature0°C to 50°C

Power100W

Display Specifications

Size 4.5" x 3.4"

Type.....color flat panel liquid crystal display (LCD)

Viewing angle 130°

Pulsar Specifications

Rep Rate 100 Hz to 24 KHz, in 100 Hz steps

Damping.....selectable, 50Ω, Hi

Pulse Widthadjustable, 40-600 ns

Amplitude300V into 50Ω

Receiver Specifications

Pre-Amp Gain adjustable, -19.9dB to 0dB in 0.1dB steps

Common Gain Selectable 0-80dB in 10dB steps

Tuned Frequencies 1,2,25,5.0,10.0,15.0

Wideband Bandwidths.. 1-16,3-19,7-35,0.5-30 MHZ

Waveform Display switchable: RF, Detected RF (+,-,±,Hi Res ±), Time-of-Flight (TOF), and Front Surface Blanking, Echo Blanking

Input/Output Specifications

Command Link.....USB 1.1, RS-232 9.6K Baud or RS-485 500K Baud.

Data Link RS-485, 500K Baud, 16 alarm outs and up to 50 data outputs of any combination of 16 bit Thickness or 8 bit Amplitude.

Analog Output up to 4 provided. An output can be assigned to any combination of measurements (Flaw or Thickness). The number of analog outputs can be increased by 16 with the XU-2452 Analog Extender.

Alarms8 TTL alarm outputs for any combination of alarm conditions. The number of Alarm outputs can be increased by 16 with the XU-2452 Analog Extender.

Parallel Ports..... generate hard copies of waveform and data on a printer.

Accessories

NDT Silver.....Windows 2000Pro/XP based software with instrument control and configuration, strip charts, and reports.

For more information contact our sales department: (509)545-6364 Ext. 105 or sales@xactex.com

