



Setting standards of performance and reliability

The “analogue feel” from the high quality broadband amplifier shows all the detail required to demonstrate how ultrasound changes with defect types, such as holes and cracks, essential in understanding ultrasonic's at Level I and II. For classroom presentation the 123W has a composite video output for connection to LCD projectors.

Advanced Defect Sizing Tools as Standard

Weld and pipe inspection are major applications for the Sitescan series and we have therefore equipped them with the latest software tools for defect sizing. The 123W has DAC sizing techniques. The use of integrated sizing software reduces analysis time and hence speeds inspection.

High Visibility Display

For any flaw detector the display is a crucial element. The Sitescan has a colour transfective TFT display as standard, providing high visibility at any light level. The choice of colours for menus and waveform display enhance clarity, with the LCD simulation mode giving direct sunlight readability. The TFT does not suffer the typical black out problems or temperature limitations of LCD giving full weather capability.

High Performance with Total Control

The Sitescan series delivers high performance and advanced features, yet our engineer's experience in user interface design has ensured it's easy and quick to use. The acknowledged ease of use of previous generation Sitescans has been enhanced with the menu navigation key and intuitive menu structure, providing easy access to functions.

Sitescan 123 Specification

Test Range	0-5mm (0.2in) up to 0-10000 (400in) at steel velocity. Variable in sequence, 10mm or 1mm
Velocity	1000 - 9999 m/s
Probe Zero	0 - 999.999 us
Delay	0 - 10000m at steel velocity in 0.05 steps (0 - 400 in 0.002 in steps)
Gain	0 - 110dB in 0.5, 1, 2, 6, 10, 14, 20 dB steps
Test Modes	Pulse echo and transmit-receive
Gates	Start & width adjustable over full range Amplitude 0-100%, 0.5% steps Visual & audible alarms Single gate positive trigger Two gates Positive and negative triggering Gate 2 has selectable 0.6 second delay on alarm

Measurement Modes

Depth	Depth and amplitude of signal in gate
Trig	Trigonometric display of beam path, depth and surface distance Calculation of skip depth and curve surface compensation, X-offset for transducer
T-Min	Holds minimum thickness in depth mode