

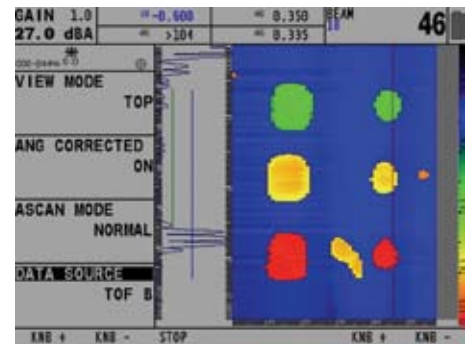
# Phasor XS™ Version 2.0

## Ultrasonic

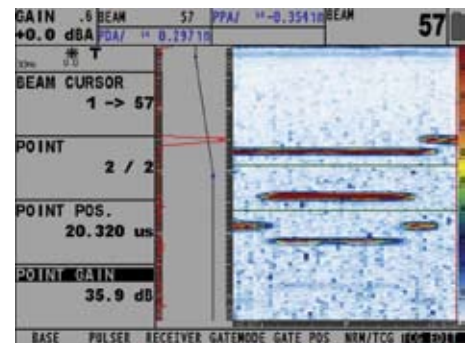
### Enhanced Functions and Improved Imaging

Phasor XS Version 2.0 contains the latest upgrades and enhancements to meet ever-changing application demands:

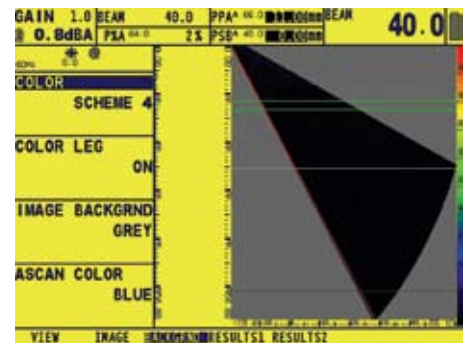
- Unique linear gain control to compensate for natural sensitivity variations for precise DAC/TCG recording.
- Improved time corrected gain for code compliant manual inspections. Precise beam-by-beam, point-by-point amplitude control.
- Primary angle TCG curves for increased reference adjustment on selected A-scan for accurate amplitude flaw sizing.



TOPView



Matrix TCG



Outlined sector scan



# TOPVIEW

TOPView is available as an option in Version 2.0. TOPView literally lets the user view the scanned area from the top. It generates this perspective using the gated region in the Sector scan or Linear B-scan. Using TOPView, users can easily and more accurately record indications. TOPView also offers these enhanced features:

- Gate data points simultaneously buffered for Time of Flight and Amplitude from both gates for evaluation in Freeze Analysis mode.
- Dataset file records gate points (A-scans are not part of stored data.)
- Selectable Interface Gate Start mode for varying delay path
- New peak A-scan display

# TCG Matrix

TCG Matrix provides linear gain control to compensate for the natural sensitivity variations with increasing angles, aiding in more accurate distance amplitude correction/time corrected gain (DAC/TCG) recording. TCG Matrix also adds more functionality and recording improvements:

- Selectable region of interest during TCG record in sector and B-scan views
- Display and edit DAC curve on all A-scans
- Time points displayed on ASCAN
- "All beam" manual TCG creation
- Floating TCG point marker
- Controlled linear Cycle Gain

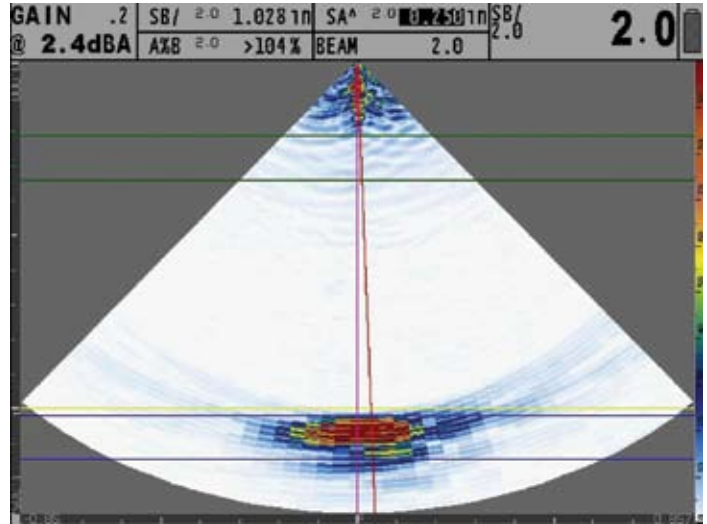
# Other Key Features

- Freeze key extended use:
  - Pressing and holding freeze key now activates the actions chosen in the file menu.
  - Allows storage of dataset and all A-scans from front panel with one button.
  - File auto append for Datasets
- Report Header/memo edit after freeze - find the defect, freeze the screen, edit the memo and header, select a menu for the picture before storing.
- Manually controllable pulse repetition frequency (PRF)



# Full Sector

Full Sector view enables selection of negative angles in sector view. Ideal for volumetric inspection in castings where flaw orientation is unknown.



Full sector scan

# Specifications

## Optional TOPView

<b>Timed TOPView</b>	In 64 Beams at 60 Hz setup File size: 3MB
<b>ENCODED TOPView</b>	In 64 Beams 0.5 mm SCAN interval setup File size: 3MB
<b>Data Storage</b>	Thickness and Amplitude from each A and B Gates
<b>Stored DATA Type</b>	Encoder position, loss of interface, saturation and NO DATA
<b>Analysis on Instrument</b>	Cursor selectable display of TOF and Amplitude digital values Data displayed as acquired or complete scan compression
<b>EXTERNAL Image Viewing</b>	Export via JPEG format by SD memory card Rhythm® Viewer - to view Frame images
<b>TOPView image</b>	Selectable DATA source display during acquisition TOFA, TOFB, AMPA, AMPB Selectable DATA source display in FREEZE mode
<b>Interface GATE Function</b>	GATE and Screen tracking when IF gate selected
<b>Color Palette</b>	Selectable 4 individual for Thickness and Amplitude data Additional USER definable custom palette

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