Phasor Transducers

GE Sensing & Inspection Technologies manufactures both conventional and phased array transducers that are applicable to the Phasor platform. The global GE Sensing & Inspection Technologies application centers custom design phased array probes for unique and challenging applications.

Conventional Transducers

- Complete range of contact straight beam, angle beam, dual element, immersion, special application transducers.
- Over 4000 standard and special products in all standard frequencies and sizes.
- Non-standard frequencies and sizes are also available.

Phased Array Transducers

- Wide variety of phased array transducers. Transducers with dialog feature recognize physical connection and automatically download transducer information to Phasor XS.
- Small and mid-sized transducers for both angleand straight-beam applications.
- Replaceable wedges for angle-beam or delay lines for straight-beam inspections.
- Phased array for scanning and wide-area coverage; immersion or delay line.
- Custom phased array transducers and accessories.

Americas
50 Industrial Park Road
Lewistown, PA 17044
USA

+1 866 243 2638 (toll-free)
+1 717 242 0327

Europe/Middle East/Africa
Robert Bosch Strasse 3
50354 Huerth
Germany

+49 2233 6010

Asia
5F, Hongcao Building
421 Hongcao Road
Shanghai 200233
China

+86 800 820 1876 (China toll free)
+86 21 3414 4620 (Ext. 6029)

www.geinspectiontechnologies.com

GEIT-20055EN (09/08)

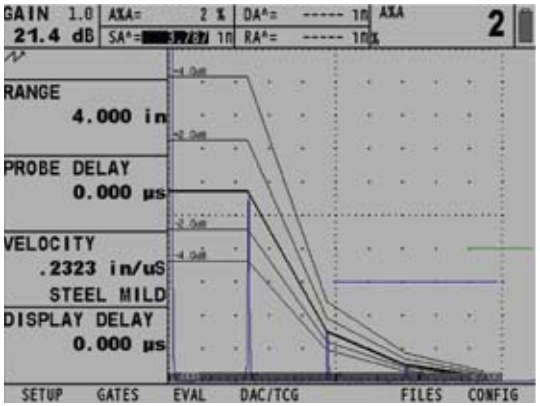
GE
Sensing & Inspection Technologies

Taking the right road is not always easy

The decision on investing in phased array ultrasonic technology is suddenly a lot easier with the introduction of the Phasor Ready platform.

Manual ultrasonic flaw detection is increasingly being done with an image display rather than an A-scan. A phased array image allows faster inspection with improved probability of detection. Our new Phasor series provides a pathway to phased array imaging, but a pathway you can tread at your own pace.

There are three instruments in the Phasor series. All three use the same rugged, easy-to-use hardware associated with GE flaw detectors. They differ only in their imaging capabilities and applications.

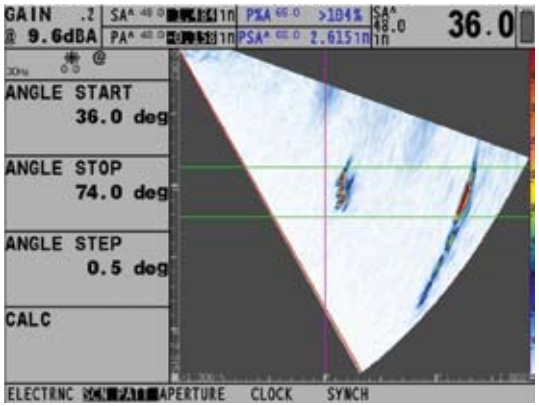


Phasor CV

The Phasor CV is a conventional, single channel flaw detector, which can be quickly and easily converted for phased array operation. It is compliant with all major codes and offers best-in-class flaw detector performance.

- Compliant with all major codes.
- Standard high power lithium ion batteries for at least ten hours continuous use.
- High visibility colour screen, featuring change in signal colour with every reflection of the sound beam.

Applications
The versatile Phasor CV is suitable for a wide range of manual inspection applications, from corrosion monitoring to defect detection and sizing throughout the industrial and process spectrum.

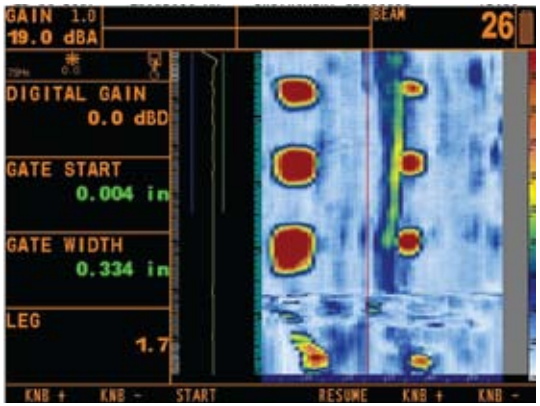


Phasor 16/16 Weld

The Phasor16/16 Weld offers all the benefits of phased array inspection to reduce inspection times and improve probability of detection. Images are presented as full colour sector B-scans and any of the constituent A-scans can be displayed separately or simultaneously. This allows instant and reliable sizing, assisted by 34 on-board measurement tools.

- Provides easy-to-understand phased array imaging with the option of using conventional pulse-echo techniques if desired.
- Incorporates the latest software for improved accuracy, reliability and reproducibility.
- Is provided with a weld probe and package.

Applications
The Phasor16/16 Weld is ideal for detecting cracking, lack of fusion, porosity, and inclusions in welds, both during fabrication and in-service. It also finds applications throughout the aerospace, oil and gas, power generation and general engineering segments, where there is a need for reliable image-based inspection data.



Phasor XS™

The Phasor XS represents current state-of-the-art portable, ultrasonic phased array technology. Its software allows a 16 element probe to be fired in 64 element arrays, giving great resolution and probability of detection. It features timed or encoded TOPView, allowing users a new inspection perspective.

- Can be continuously up-graded with the latest software.
- TOPView allows an easily understood view of the inspection.
- Extremely powerful phased array capability.

Applications
The advanced capability of the 64 element array of the Phasor XS is particularly suited for applications in the aerospace and automotive industries, such as in the inspection of composites. The flaw detector is also ideal for large area manual corrosion mapping tasks. Its comprehensive image display will continue to set the standards as reliance is increasingly placed on inspection imaging rather than simple A-scans.