

Phasor CV

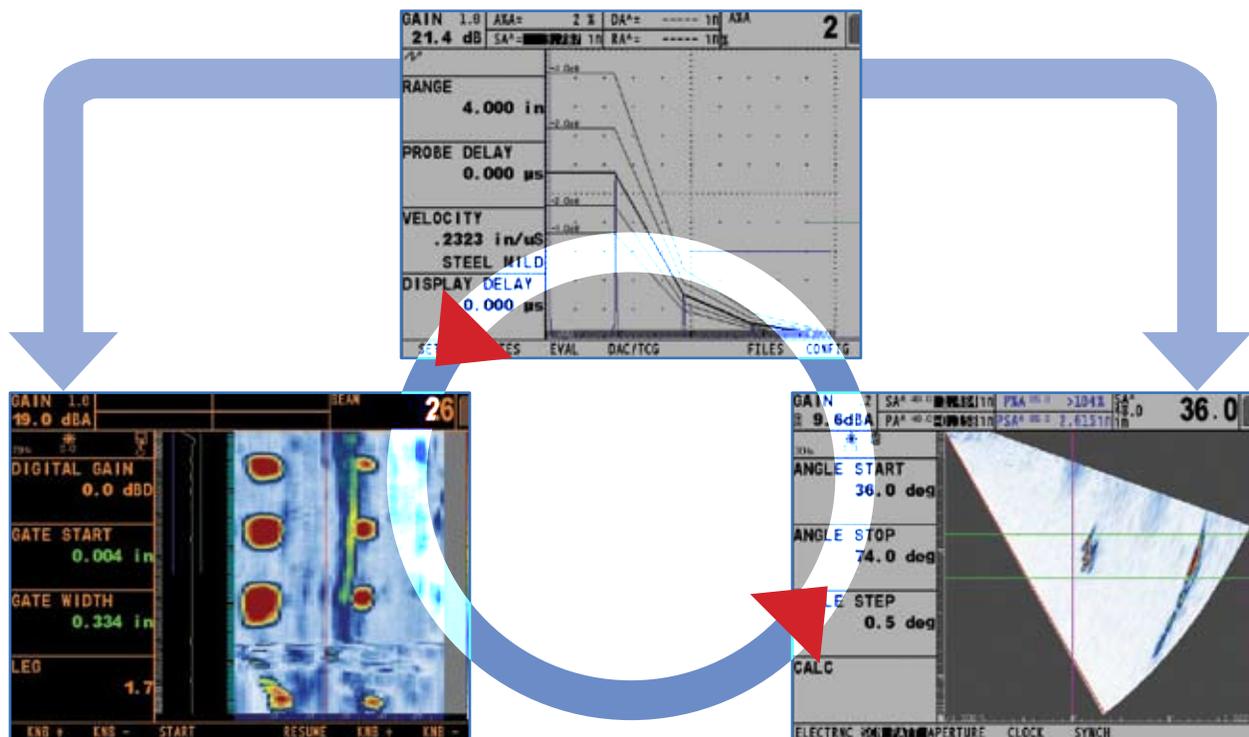
Ultrasonic Testing

Conventional Channel Function Ultrasonic Flaw Detector that is Phased Array Ready

Phasor CV has the latest upgrades and enhancements to meet your challenging application demands and comply with the following regional codes: ASME, AWS JIS and DAC/TCG, DGS standards.

Feature and Benefits

- Provides the conventional channel functionality you depend on that can be easily enhanced to phased array with a simple software upgrade
- Save and transfer inspection images via SD card to archive
- View scans on an external VGA monitor for more detailed viewing



Phased Array Ready

Phasor CV is the base software platform of the Phasor Series Flaw Detectors. Phasor CV includes new enhancements and upgrades to drive greater productivity. Phasor CV offers:

- Regionally preferred amplitude evaluation modes for code compliance
- DAC straight line/curved line option
- DAC curve offset ASME style
- DAC point editing
- JISDAC evaluation mode
- DGS evaluation
- Transfer correction (DAC mode selection)
- dB-Ref evaluation mode
- AWS D1.1 American welding society evaluation method
- J-Flank gate operation mode
- Auto80
- Additional result readings

Phasor Series Flaw Detectors

Phasor CV is the first conventional ultrasonic testing instrument that is equipped with phased array capability. Upgrading to phased array is a quick and easy software upgrade to Phasor 16/16 or Phasor XS. No changes to the base unit hardware are required. Combined with phased array transducers, both platforms can solve your most demanding inspection applications in less time at an affordable price.

Phasor Series can still switch to conventional UT quickly so that inspectors can use any standard transducer to evaluate detected flaws (locating and sizing) to any specified standard or test instruction.

Phasor 16/16 and Phasor XS use the same simple menu-driven interface as Phasor CV to easily capture, interpret and archive data. Training is minimal keeping inspectors inspecting.

Technical Specifications

Range (Steel)	6.75 — 13700 mm (.266 — 540 in)
Display Delay	-15.0 to 3500 µsecs
Probe Delay	0 to 1000 µsecs
Sound Velocity Custom	250 to 16,000 m/s (0.0098 — .6299 in/µsecs)
Material Velocity Table	65 fixed entries and custom
Damping	50 and 1000 Ω
Pulse Repetition Frequency	15 to 2000 Auto/Manual
Pulser Type	Spike 250 V Hi Lo select
Frequency Ranges (-3 dB)	1 to 13 MHz 1, 2, 2.25, 4, 5, 10, 13, BB, (selectable)
Dual and Single	Standard
Gain	0 to 110 dB
dB Change Steps	.2-.6-1.0-2.0-6 and user defined (.2 to 60.0)
Auto CAL Feature	Standard
Reject	0 to 80%
Rectification	(+)(-)/Full + RF
DAC	Amplitude curves (DAC) with a maximum of 15 reference echoes, 4 other curves or lines can be displayed with variable dB intervals. Point editor.
TCG	60 dB to 12 dB/µsec
DGS	Standard
Multicurve JIS/ASME	Standard
Custom Offset Curve	Standard
AWS D1.1	Standard
Measurement to Curve	Standard
Monitor Gates	Two independent gates
One Touch Gate Magnify	Standard
One Touch Report Store	Standard
Measurement Resolution	0.01 up to 999.99 mm (.001 up to 99.999 in)
Alarm	LED, TTL out
Sound Path Measurement	Digital display of sound path (projection distance, depth) between initial pulse and the first echo in the gate with the echo flank echo peak or +JFLANK
Color Leg	Standard
Echo Evaluation	Sound, Distance horizontal, Distance vertical, Distance amplitude, dB difference
Zoom	Standard
A-scan Freeze	Off/On
Memory Capacity	128KB internal, external SD card
Dataset	Internal memory or SD card
Alphanumeric Report	SD card
Input/Output	JPEG out on SD card
Power	Battery or AC adaptor
Battery	Li-Ion, Charging in or out of unit
Battery Operation	6 hour
Voltage	International
IP Sealing	54
Language Support	English, German, French, Italian, Romanian, Polish, Czech, Russian, Chinese and Japanese
EN 12668	Yes
Temperature Operation	0; +55°C
Weight	3.4 kg (7.6 lb)
Screen Type	LCD
Screen Size	640 x 480 (6.5 in)
Display Color Choice	Match the light, A-Scan, background, grid
VGA Output connecton	Standard
Size	282 L x 150 W x 159 H mm (11.1 L x 6.0 W x 6.2 H in)



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