Item	Order Code (Part ##)
Inspection SW Application for ISONIC 3510 - Phased Array Modality: Expert FFC -	SWA 3510019
Detection, Imaging, and Evaluation of Flange Face Corrosion	
⇒ True-To-Geometry Flange Face Overlay Volume Corrected Imaging - Cross Sectional and Top (C-Scan)- / Side- / End- View and 3D	
⇒ Sector-Scan Cross Sectional Coverage with Probe Placed Either on the Taper, Pipe Wall, or	
Flange	
 ➡ Intuitive Image Guided PA Pulser Receiver with Beam Forming View ➡ DAC / TCG Normalization 	
➡ Built-In Flange Geometry Editor and Ray Tracer - Scanning Pattern Design	
⇒ Independent on TCG Angle Gain Compensation / Gain Per Focal Law Correction	
Automatic Coupling Monitor	
➡ Encoded and Time based C-Scan	
➡ 100% Raw Data Capturing	
⇒ FMC/TFM Protocol for the data acquisition and imaging	
⇒ Automatic Defects Alarming Upon C-Scan Acquisition Completed	
Automatic Creation of Editable Defects List	
Comprehensive Postrpocessing Including:	
→ Recovery and Evaluation of Captured A-Scans from the Recorded Cross Sectional Views	
(Sector Scan) and C-Scans	
→ Recovery of Cross Sectional Views from the Recorded C-Scans	
→ Converting Recorded C-Scans or their Segments into 3D Images	
→ Off-Line Gain Manipulation	
→ Off-Line DAC Normalization of the Recorded Images / DAC Evaluation	
→ Numerous Filtering / Reject Options (by Geometry / Position / By Amplitude / dB-to-DAC / etc)	
→ Defects Sizing	
→ Creation of Defect List and Storing it Into a Separate File	
→ Automatic creating of inspection reports - hard copy / PDF File	

Detection and evaluation of the flange face corrosion with use of PA probe placed onto the flange

POWER LOW-BAT & CHARGE @

ISON

dB





Detection and evaluation of the flange face corrosion with use of PA probe placed onto the taper





Sector Scan - FFC_FROM_THE_FLANGE	.ffs				
File View Edit Measurements			Flange Taper		
* + + + + + + + 1 Gair	🖌 🚺 📩 📄	Coloring	Thickness Measurements		
+ + + + + + + + + + + + + + aSwitcl		Pseudo2	 ΔD = 2.3 mm Dg = 23.0 mm Dr = 25.3 mm 		
OFF	t L		Width Measurements		
30 m	n 💽 🕄 🗸	Paint	ΔX = -3.7 mm		
40 mm	n 🗧 🛋 📫		Xg = 21.0 mm Xr = 17.2 mm		
	hold	Show All Skips	▼ OFF		
Sound Path TOF	Amplitude	VC(A) Angle	Zoom		
< Threshold < Threshold	> 130%	> 130% 44.6°	X1 X2 X3		
80 90 100 110 120 135 140 150 160 8 0 0 0 0 0 0 0 0					
102.1					

Inspection SW Application for ISONIC 2009 UPA-Expert FFC - Detection, Imaging, and Evaluation

Item

- ⇒ True-To-Geometry Flange Face Overlay Volume Corre (C-Scan)- / Side- / End- View and 3D
- ⇒ Sector-Scan Cross Sectional Coverage with Probe Plac Flange
- ⇒ Intuitive Image Guided PA Pulser Receiver with Beam
- ⇒ DAC / TCG Normalization
- ➡ Built-In Flange Geometry Editor and Ray Tracer Scan
- ➡ Independent on TCG Angle Gain Compensation / Gain
- Automatic Coupling Monitor
- ⇒ Encoded and Time based C-Scan
- ⇒ 100% Raw Data Capturing
- FMC/TFM Protocol for the data acquisition and imaging
- Automatic Defects Alarming Upon C-Scan Acquisition
- Automatic Creation of Editable Defects List
 ↔ Comprehensive Postrpocessing Including:
- → Recovery and Evaluation of Captured A-Scans from
- (Sector Scan) and C-Scans → Recovery of Cross Sectional Views from the Recorder
 - → Converting Recorded C-Scans or their Segments into
- → Off-Line Gain Manipulation
- → Off-Line DAC Normalization of the Recorded Images
- → Numerous Filtering / Reject Options (by Geometry / I
- → Defects Sizing
- \rightarrow Creation of Defect List and Storing it Into a Separate





4, Pekeris st., Rabin Science Park, Rehovot, 7670204, Israel Phone: +972-(0)8-9311000, Fax: +972-(0)8-9477712 www.sonotronndt.com

	Order Code (Part ##)
-Scope - Phased Array Modality: on of Flange Face Corrosion	SWA 909819
ected Imaging - Cross Sectional and Top	
ced Either on the Taper, Pipe Wall, or	
Forming View	
nning Pattern Design Per Focal Law Correction	
g Completed	
the Recorded Cross Sectional Views	
ed C-Scans o 3D Images	
s / DAC Evaluation Position / By Amplitude / dB-to-DAC / etc)	
File / PDF File	

Detection and evaluation of the flange face corrosion with use of PA probe placed onto the flange





	Item	Order Code (Part ##)
Inspe	ection SW Application for ISONIC 2010 / ISONIC 2010 EL - Phased Array	SWA 910819
Moda	ality: Expert FFC - Detection, Imaging, and Evaluation of Flange Face	
Corr	osion	
⇔	True-To-Geometry Flange Face Overlay Volume Corrected Imaging - Cross Sectional and Top	
(C-Sca	an)- / Side- / End- View and 3D	
` ⊧>	Sector-Scan Cross Sectional Coverage with Probe Placed Either on the Taper, Pipe Wall, or	
Flange		
⇒	Intuitive Image Guided PA Pulser Receiver with Beam Forming View	
₽	DAC / TCG Normalization	
⇔	Built-In Flange Geometry Editor and Ray Tracer - Scanning Pattern Design	
⇔	Independent on TCG Angle Gain Compensation / Gain Per Focal Law Correction	
₽	Automatic Coupling Monitor	
₽	Encoded and Time based C-Scan	
₽	100% Raw Data Capturing	
₽	FMC/TFM Protocol for the data acquisition and imaging	
₽	Automatic Defects Alarming Upon C-Scan Acquisition Completed	
₽	Automatic Creation of Editable Defects List	
₽	Comprehensive Postrpocessing Including:	
\rightarrow	Recovery and Evaluation of Captured A-Scans from the Recorded Cross Sectional Views	
(Secto	r Scan) and C-Scans	
\rightarrow	Recovery of Cross Sectional Views from the Recorded C-Scans	
\rightarrow	Converting Recorded C-Scans or their Segments into 3D Images	
\rightarrow	Off-Line Gain Manipulation	
\rightarrow	Off-Line DAC Normalization of the Recorded Images / DAC Evaluation	
\rightarrow	Numerous Filtering / Reject Options (by Geometry / Position / By Amplitude / dB-to-DAC / etc)	
\rightarrow	Defects Sizing	
\rightarrow	Creation of Defect List and Storing it Into a Separate File	
\rightarrow	Automatic creating of inspection reports - hard copy / PDF File	

POWERO LOW-BATO ESC File View Zoom Save Open > 130% > 130% 47.2° Print * ISONIC 2010 I



4, Pekeris st., Rabin Science Park, Rehovot, 7670204, Israel Phone: +972-(0)8-9311000, Fax: +972-(0)8-9477712 www.sonotronndt.com

1-150 MALE

GLRO

Detection and evaluation of the flange face corrosion with use of PA probe placed onto the flange

Angle



Detection and evaluation of the flange face corrosion with use of PA probe placed onto the taper

10

10

1105



4, Pekeris st., Rabin Science Park, Rehovot, 7670204, Israel Phone: +972-(0)8-9311000, Fax: +972-(0)8-9477712 www.sonotronndt.com



POWERO LOW-BATO

> 130%

> 130%

-

Angle 58.6°

T

OFF

⊁ DGS

3

4

5

ESC

Save

Open Open

Print

Sector Scan File View Zoom

eshold

< Threshold

* ISONIC 2010







