



ltem	Order Code (Part ##)
Inspection SW Application for ISONIC 3510 - Phased Array Modality: Expert FFC - Detection,	SWA 3510019
Imaging, and Evaluation of Flange Face Corrosion	
 Probing from the flange and taper surface for the flange face for the detection and sizing of the flange face / ID surface corrosion - shear wave true-to-geometry (flange overlay volume corrected) cross-sectional S-Scar coverage and imaging Line scanning around the taper surface for the for the detection, mapping, and sizing of the flange face / ID 	
surface corrosion with shear wave true-to-geometry (flange overlay volume corrected) cross-sectional S-Scar coverage and imaging and data recording either encoded or time based: Flange face corrosion map / amplitude map - Side view Flange face corrosion profile - distance / amplitude map - Top view D surface corrosion map / amplitude map - C-Scan - Top View D surface corrosion map / amplitude map - C-Scan - Top View 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 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: Automatic / semiautomatic express-evaluation of the recorded data - overall flange face corrosion and depth and dimensions of the corrosion spots in several clicks Forming real shape (rounded) flange face corrosion map out of the unfolded view 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 Automatic creation of Defect List and Storing it Into a Separate File Automatic creation of inspection reports - hard copy / PDF File	
1105/5/10	











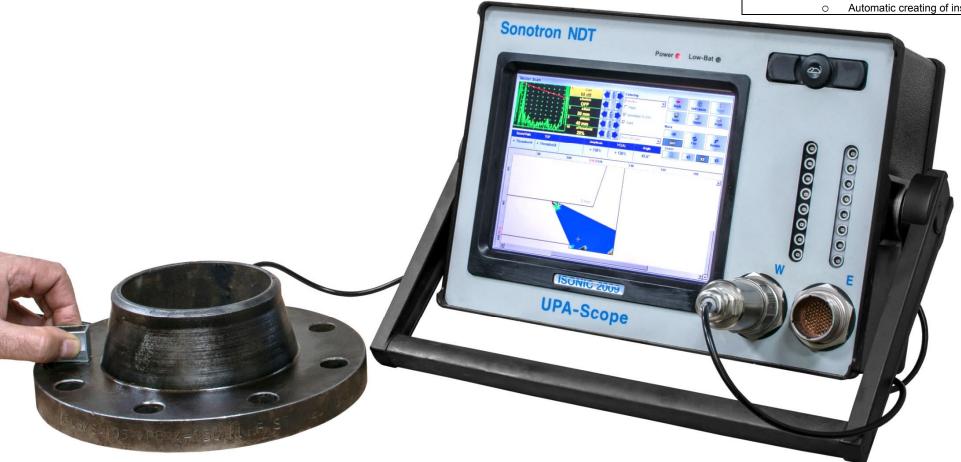








ltem	Order Code (Part ##)		
Inspection SW Application for ISONIC 2009 UPA-Scope - Phased Array Modality: Expert FFC - Detection,			
Imaging, and Evaluation of Flange Face Corrosion			
 Probing from the flange and taper surface for the flange face for the detection and sizing of the flange face / ID surface corrosion - shear wave true-to-geometry (flange overlay volume corrected) cross-sectional S-Scan coverage and imaging Line scanning around the taper surface for the for the detection, mapping, and sizing of the flange face / ID surface corrosion with shear wave true-to-geometry (flange overlay volume corrected) cross-sectional S-Scan coverage and imaging and data recording either encoded or time based: Flange face corrosion map / amplitude map - Side view 			
Flange face corrosion profile - distance / amplitude map - Top view			
O ID surface corrosion map / amplitude map - C-Scan - Top View Applitude map - C-Scan - Top View Applitude Map Total Views			
Amplitude overlap cross-sectional view - Amplitude Map End View - Intuitive langua Civided BA Bulean Reservity Representations View			
 Intuitive Image Guided PA Pulser Receiver with Beam Forming View DAC / TCG Normalization 			
Built-in Flange Geometry Editor and Nay Fracer - Geomining Fattern Design			
 Independent on TCG Angle Gain Compensation / Gain Per Focal Law Correction 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:			
Automatic / semiautomatic express-evaluation of the recorded data - overall flange face corrosion and depth and dimensions of the corrosion spots in several clicks	1		
 Forming real shape (rounded) flange face corrosion map out of the unfolded view 	1		
 Recovery and Evaluation of Captured A-Scans from the Recorded Cross Sectional Views (Sector Scan) and C-Scans 	1		
Recovery of Cross Sectional Views from the Recorded C-Scans	1		
Converting Recorded C-Scans or their Segments into 3D Images	1		
Off-Line Gain Manipulation Off-Line DAC Normalization of the Recorded Images / DAC Evaluation	1		
 Off-Line DAC Normalization of the Recorded Images / DAC Evaluation Numerous Filtering / Reject Options (by Geometry / Position / By Amplitude / dB-to-DAC / etc) 	1		
 Numerous Filtering / Reject Options (by Geometry / Position / By Amplitude / dB-to-DAC / etc) Defects Sizing 	1		
Automatic Creation of Defect List and Storing it Into a Separate File	i		
Automatic creating of inspection reports - hard copy / PDF File	1		



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





Sector Scan - FFC_FROM_THE_TAPER.ffs



SUNIC 2009

UPA-Scope

ltem	Order Code (Part ##)
Inspection SW Application for ISONIC 2010 / ISONIC 2010 EL - Phased Array Modality: Expert	SWA 910819
FFC - Detection, Imaging, and Evaluation of Flange Face Corrosion	
 Probing from the flange and taper surface for the flange face for the detection and sizing of the flange face / ID surface corrosion - shear wave true-to-geometry (flange overlay volume corrected) cross-sectional S-Scan coverage and imaging Line scanning around the taper surface for the for the detection, mapping, and sizing of the flange face / ID 	
surface corrosion with shear wave true-to-geometry (flange overlay volume corrected) cross-sectional S-Scan coverage and imaging and data recording either encoded or time based:	
 Flange face corrosion map / amplitude map - Side view Flange face corrosion profile - distance / amplitude map - Top view 	
O ID surface corrosion map / amplitude map - C-Scan - Top View	I
Amplitude overlap cross-sectional view - Amplitude Map End View	I
 Intuitive Image Guided PA Pulser Receiver with Beam Forming View 	I
 DAC / TCG Normalization 	I
 Built-In Flange Geometry Editor and Ray Tracer - Scanning Pattern Design 	I
 Independent on TCG Angle Gain Compensation / Gain Per Focal Law Correction 	I
 Encoded and Time based C-Scan 	I
 100% Raw Data Capturing 	I
 FMC/TFM Protocol for the data acquisition and imaging 	I
 Automatic Defects Alarming Upon C-Scan Acquisition Completed 	I
 Automatic Creation of Editable Defects List 	
Comprehensive Postrpocessing Including:	

O Automatic / semiautomatic express-evaluation of the recorded data - overall flange face corrosion and

Recovery and Evaluation of Captured A-Scans from the Recorded Cross Sectional Views (Sector

Numerous Filtering / Reject Options (by Geometry / Position / By Amplitude / dB-to-DAC / etc)

depth and dimensions of the corrosion spots in several clicks

Recovery of Cross Sectional Views from the Recorded C-Scans
 Converting Recorded C-Scans or their Segments into 3D Images

Scan) and C-Scans

Defects Sizing

Off-Line Gain Manipulation

O Forming real shape (rounded) flange face corrosion map out of the unfolded view

Off-Line DAC Normalization of the Recorded Images / DAC Evaluation

Automatic 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







