

Specification

GENERAL	PHASED ARRAY (32:128PR)	UT-TOFD (2PR)	FMC-TFM (64 ELEMENTS)
Multiscan Quantity	Up to 6 scans	Up to 2 scans (UT & TOFD)	Up to 2 scans
Pulsers / Receivers	32:128PR	2PR (4 connectors)	Up to 64 elements probe
Gain Range	80dB	100dB	80 dB
Sampling Frequency	125MHz @ 12-Bit (processing 16-Bit)	50/100/200MHz @ 10-Bit	125MHz @ 12-Bit (processing 16-Bit)
System Bandwidth	0.2 to 23 MHz	0.2 to 18 MHz	0.2 to 23 MHz
Max Pulse Rate Frequency	50 000 Hz	20 000 Hz	50 000 Hz
Pulse Voltage	100-50V ActiveEdge©	400-100V ActiveEdge©	100-50V ActiveEdge©
Focusing Mode	Natural or Constant Depth/Path/Offset	na	Focusing in all points TFM
S-Scan Resolution	Up to 0.1°	na	TFM resolution up to 0.1mm ²
L-Scan Resolution	1 element or double resolution	na	TFM resolution up to 0.1mm ²
Max PA Beams (focal laws)	Up to 1024 beams	na	FMC 4096 beams / TFM 1024 pixel ²
Measurement tools	EXTRACTION BOX, 4 gates/ A-Scan, TCG, DAC Split-DAC	4 gates/A-Scan, TCG, DGS/ Split-DGS, DAC/Split-DAC	9 TFM algorithms, EXTRACTION BOX and all the standard PA tools
Max Points per A-Scan	Up to 8192 points per A-Scan (sub-sampling available to reduce file size)		
Data Storage & File Size	128 Gb SSD & no file size limit		
Operating System	Linux® 64-Bit OS / Powered by Intel® CPU Core		
Analysis Software (PC)	UTstudio+ for Windows® 7-8-10 & Linux® OS		
Remote Control Software (PC)	Xpair for Windows® 7-8-10 OS		
Onboard Scan Plan Tools	Onboard 3D live rendering		
Onboard Reporting Tools	PDF auto-report, Export data to CSV file, Save screen capture		
Onboard PDF Reader	Ability to load and read any PDF documents		
Integrated Online Help	ACTIVE help genius for parameter optimization procedures, reports		
Calibration Standards	ISO18563 (EN16392) & EN12668		
USER INTERFACE & PORTS			
PA & UT Connectors	1 IPEX 128 channels	4 LEMO 1 or 4 BNC	
Instrument Display	10.4" wide LED-backlit LCD, enhanced sunlight readable 1024 x 600		
Encoder Ports	2 axes : Scan, Index or Clicker (LEMO 1)		
GPIO Port (TTL)	Start, Stop, Index, Reset, Alarm(s), Trig... (LEMO 1)		
Communication Ports	WiFi 802.11n, Ethernet Gigabits & 3 master USB2		
Remote Display Ports	WiFi, Ethernet or VGA		
Data Transfer Ports	WiFi, Ethernet or USB		
OPERATING TIME, ENCLOSURE & ENVIRONMENTAL			
Operating Temperature	-10°C to 40°C (14°F to 104°F) storage -20°C to 60°C (-4°F to 140°F)		
Operating Time	6.6h (hot swappable batteries)		
Power Input	AC 110V/240V @ 50Hz/60Hz		
Unit Dimensions	115 x 220 x 335 mm (4.52 x 8.66 x 13.19 in)		
Weight	4.54 kg (10 lb) no battery, 460 g (1 lb)/battery		
Environmental Rating	Designed for : IP66, MIL-STD-810G		



(Subject to change without notice)

Standard Package

Veo+	16:64PR	BNC
Veo+	16:64PR	LEMO
Veo+	32:64PR	BNC
Veo+	32:64PR	LEMO
Veo+	16:64PR	BNC
Veo+	16:128PR	LEMO
Veo+	32:128PR	BNC
Veo+	32:128PR	LEMO

Software Options

FMC-TFM
 CSV Export
 Upgrade PA 32PR
 Upgrade PA 128 channels
 PA Curved Surface Correction
 XPAIR - Cloud Remote Access



Accessories

32:32 Y-Splitter I-PEX
 64:64 Y-Splitter I-PEX
 Phased Array Probes
 TOFD & UT Probes
 Wedge
 Encoders

*More Accessories Available

Wheelprobes



Scanners



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