

The best specs in the business

In the lightest and most flexible all-in-one ultrasonic inspection system on the market

The P-Scan Stack System with Phased Array represents a completely new way of thinking when it comes to automated ultrasonic inspection



Technical specifications for the P-Scan Stack System

PROCESSOR

Channels	Number of Phased Array channels Number of standard UT channels	Up to 256/512 Up to 32
Transmitter	Dulco trao	Postangular biolar
	Amplitude	$80.V = 200.V (\pm 40.V = \pm 100.V)$
	Rise time	7 ns
	Width	20 ns - 2 μs
Receiver	Dvnamic range	>100 dB @ 5 MHz
	Frequency range	0.05 - 30 MHz
	Rectification	Digital, user selectable
	Filters	Digital, user selectable
	Input noise	<2 nV/VHz
Digitisation	Sampling rate	120 MHz
	Resolution	22 bit
	Maximum number of samples	131.072
	Dynamic depth focusing	Yes
	Number of focal laws	8.192
	Real time data compression	User selectable
Connectors	Phased Array connectors	Up to 8
	Phased Array connector type	I-Pex
	Phased Array probe recognition	Automatic
	Standard UT connectors	Up to 8 (32 channels)
	Standard UT connector type	Fischer
	Scanner connector	Fischer
	Link connectors	2 x Fischer
	External module connector	Fischer
	Click-and-play connectors	2 x MILL-MAX
	Ethernet connector	RJ45 (IP54 protected)
PC connection	Network interface	Ethernet 1000Base-T
	Data throughput	Up to 15 MB/sec
Other features	Integrated scanner controller	Yes
	Battery operation	Yes, including scanner
	Self check	Yes
	Air intake	No
Physical specifications	Environmental protection	IEC class IP54 (Protected against dust and splashing water)
	Temperature range	0 - 40° C (32 - 104 °F) standard
		0 - 50° C (32 - 122 °F) extended
PROCESSOR PA 32		
Channels	Number of Phased Array channels	32/64
	Phased Array connector	1 x I-Pex
	Number of standard UT channels	8
	Standard UT connectors	2 x Fischer (8 channels)
Physical specifications	Size (H x W x D)	171 x 223 x 255 mm (6.7 x 8.8 x 10.0 in)
	Weight	5.7 kg (12.6 lb)
PROCESSOR PA 64		
Channels	Number of Phased Array channels	64/128
	Phased Array connectors	2 x I-Pex
	Number of standard UT channels	8
	Standard UT connectors	2 x Fischer (8 channels)
Physical specifications	Size (H x W x D)	171 x 223 x 255 mm (6.7 x 8.8 x 10.0 in)
	Weight	6.1 kg (13 lb)
PROCESSOR PE 8		
Channels	Number of standard UT channels	8
	Standard UT connectors	2 x Fischer (8 channels)
Physical specifications	Size (H x W x D)	171 x 223 x 255 mm (6.7 x 8.8 x 10.0 in)
	Weight	5.3 kg (11.7 lb)

P-SCAN PHASED ARRAY PROBES To see the probe specifications, please visit www.p-scan.com

BATTERY 4		
Battery	Battery type	Li ion
	Batteries	4
	Battery capacity	Up to 8 hours, including scanner
	Battery management	Hot swapping
	Battery management	not swapping
Connectors	Click and play connectors	
connectors	click-and-play connectors	
Physical specifications	Size (H x W x D)	104 x 223 x 255 mm (4.1 x 8.8 x 10.0 in)
	Weight (without batteries)	3.3 kg (7.3 lb)
	Weight (with batteries)	5.1 kg (11.2 lb)
	Environmental protection	IEC class IP54 (Protected against dust and splashing water)
	Temperature range	0 - 50° C (32 - 122 °F)
	·P	()
POW/ER 2		
Input /Output	Input	
input/output		
	Output	24 V DL, 250 W
_		
Connectors	Input connector	IEC C14
	Click-and-play connectors	2 x MILL-MAX
Physical specifications	Size (H x W x D)	79 x 223 x 255 mm (3.1 x 8.8 x 10.0 in)
,	Weight	2 9 kg (6 4 lb)
	Environmental protection	IEC class IDE ((Drotostod against dust and splashing water)
		EC Class 1954 (Protected against dust and splashing water)
	Temperature range	U-50 L(32-122 F)
PUMP 4		
Presure	Maximum pressure	4 bar
Flow	Flow rate	Adjustable
Hose fittings	Input /output	8 mm OD bace
nose mangs	Πραιλοαιραί	
C		
Connectors	Link connector	Fischer
	Click-and-play connectors	2 × MILL-MAX
Physical specifications	Size (H x W x D)	79 x 223 x 255 mm (3.1 x 8.8 x 10.0 in)
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i nysical specifications	Weight	3.2 kg (7.1 lh)
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	Weight Environmental protection	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water)
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SOFTWARE Software platform	Weight Environmental protection Temperature range	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit)
SOFTWARE Software platform	Weight Environmental protection Temperature range Operating system Input mode	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) O - 50° C (32 - 122 °F) Wíndows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse
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SOFTWARE Software platform File storage	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (54-bit) Touchscreen, keyboard, mouse Limited to hard drive size
SOFTWARE Software platform File storage	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size
SOFTWARE Software platform File storage Hardware requirements	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore
SOFTWARE Software platform File storage Hardware requirements	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB
SOFTWARE Software platform File storage Hardware requirements	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD
SOFTWARE Software platform File storage Hardware requirements	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB
SOFTWARE Software platform File storage Hardware requirements	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T
SOFTWARE Software platform File storage Hardware requirements	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive type Hard drive size Network interface Screen size	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min 13"
SOFTWARE Software platform File storage Hardware requirements	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 15-9
SOFTWARE Software platform File storage Hardware requirements	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen format	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1500-1000
SOFTWARE Software platform File storage Hardware requirements	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen format Screen resolution	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050
SOFTWARE Software platform File storage Hardware requirements	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen format Screen resolution Screen type	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122°F) Wíndows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB S5D Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional)
SOFTWARE Software platform File storage Hardware requirements	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive type Hard drive size Network interface Screen size Screen resolution Screen type	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional)
SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen format Screen resolution Screen type	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional)
SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen format Screen resolution Screen type X-direction	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s
SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen format Screen resolution Screen type X-direction Y-direction	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Wíndows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB S5D Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-150 mm/s
SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive type Hard drive size Network interface Screen size Screen format Screen resolution Screen type X-direction Y-direction	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122°F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-150 mm/s
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SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed Y-stroke	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen resolution Screen type X-direction Y-direction Standard Y-module rail	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122°F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-280 mm
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SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed Y-stroke Pipe diameter	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen resolution Screen type X-direction Y-direction Standard Y-module rail Circumferential scanning	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122°F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB S5D Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-150 mm/s 0-280 mm From 0D 75 mm
SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed Y-stroke Pipe diameter	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive type Hard drive type Hard drive size Network interface Screen size Screen format Screen resolution Screen type X-direction Y-direction Standard Y-module rail Circumferential scanning	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122°F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-150 mm/s 0-280 mm From 0D 75 mm
SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed Y-stroke Pipe diameter Safety	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive type Hard drive size Network interface Screen size Screen format Screen resolution Screen type X-direction Y-direction Standard Y-module rail Circumferential scanning Emergency switch	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122°F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-280 mm From 0D 75 mm Top mounted push-button
SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed Y-stroke Pipe diameter Safety	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen resolution Screen type X-direction Y-direction Standard Y-module rail Circumferential scanning Emergency switch	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122°F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-150 mm/s 0-280 mm From 0D 75 mm Top mounted push-button
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SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed Y-stroke Pipe diameter Safety Physical specifications	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen resolution Screen resolution Screen type X-direction Y-direction Standard Y-module rail Circumferential scanning Emergency switch Size (H × W × D) Weight	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB S5D Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-150 mm/s 0-280 mm From OD 75 mm Top mounted push-button 101 x 347 x 235 mm (4.0 x 13.7 x 9.3 in) 5.5 kg (7.1 lb)
SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed Y-stroke Pipe diameter Safety Physical specifications	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen format Screen resolution Screen type X-direction Y-direction Standard Y-module rail Circumferential scanning Emergency switch Size (H × W × D) Weight	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122°F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-150 mm/s 0-280 mm From 0D 75 mm Top mounted push-button 101 x 347 x 235 mm (4.0 x 13.7 x 9.3 in) 5.5 kg (7.1 lb) IEC class IP55 (Protected against dust and water inte)
SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed Y-stroke Pipe diameter Safety Physical specifications	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen resolution Screen resolution Screen type X-direction Y-direction Standard Y-module rail Circumferential scanning Emergency switch Size (H × W × D) Weight Environmental protection Tomore two range	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-150 mm/s 0-280 mm From 0D 75 mm Top mounted push-button 101 x 347 x 235 mm (4.0 x 13.7 x 9.3 in) 5.5 kg (7.1 lb) IEC class IP55 (Protected against dust and water jets) 0 500 for (22 + 122 °F)
SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed Y-stroke Pipe diameter Safety Physical specifications	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen size Screen resolution Screen resolution Screen type X-direction Y-direction Standard Y-module rail Circumferential scanning Emergency switch Size (H × W × D) Weight Environmental protection Temperature range	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB S5D Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-150 mm/s 0-280 mm From 0D 75 mm Top mounted push-button 101 x 347 x 235 mm (4.0 x 13.7 x 9.3 in) 5.5 kg (7.1 lb) IEC class IP55 (Protected against dust and water jets) 0 - 50° C (32 - 122 °F)
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SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed Y-stroke Pipe diameter Safety Physical specifications Options	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen format Screen format Screen resolution Screen type X-direction Y-direction Standard Y-module rail Circumferential scanning Emergency switch Size (H × W × D) Weight Environmental protection Temperature range	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) $0 - 50^{\circ}$ C ($32 - 122^{\circ}$ F) Windows 7 / Windows 8 (64 -bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB S5D Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-150 mm/s 0-280 mm From 0D 75 mm Top mounted push-button 101 x 347 x 235 mm ($4.0 \times 13.7 \times 9.3$ in) 5.5 kg (7.1 lb) IEC class IP55 (Protected against dust and water jets) 0 - 50° C ($32 - 122^{\circ}$ F) Curved Y-modules with radius from R150 mm
SOFTWARE Software platform File storage Hardware requirements SCANNER AUS-5 Speed Y-stroke Pipe diameter Safety Physical specifications Options	Weight Environmental protection Temperature range Operating system Input mode Maximum data file size Processor RAM Hard drive type Hard drive size Network interface Screen format Screen format Screen resolution Screen type X-direction Y-direction Standard Y-module rail Circumferential scanning Emergency switch Size (H × W × D) Weight Environmental protection Temperature range	3.2 kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) $0 - 50^{\circ}$ C (32 - 122 °F) Windows 7 / Windows 8 (64-bit) Touchscreen, keyboard, mouse Limited to hard drive size Intel i7 Quadcore Min. 8 GB SSD Min. 128 GB Ethernet 1000Base-T Min. 13" 16:9 Min. 1680x1050 Touchscreen (optional) 0-50 mm/s 0-150 mm/s 0-280 mm From 0D 75 mm Top mounted push-button 101 x 347 x 235 mm (4.0 x 13.7 x 9.3 in) 5.5 kg (7.1 lb) IEC class IP55 (Protected against dust and water jets) 0 - 50° c (32 - 122 °F) Curved Y-modules with radius from R150 mm Sleeves for non ferrictic pipes

The ultimate in automated ultrasonic inspection



Developed for operators by operators, the P-Scan Stack System with Phased Array delivers the highest specs of any automated ultrasonic inspection system on the market. As a result, you can perform high-precision inspections quickly and accurately – even in the most challenging environments.

With the highest dynamic range and amplitude resolution available, you know you'll never miss a signal, no matter how high or low the amplitude. The high frequency range and pulser voltage of the Phased Array channels enable you to inspect a wide range of materials, including challenging materials that you couldn't previously inspect. And, with high data throughput and unlimited data file size, you get faster inspections, no matter how big the test object. All this in the lightest and most robust all-in-one system available.

Combining standard Pulse Echo, TOFD and Phased Array in a highly customisable system that includes an integrated scanner controller and full battery operation, the P-Scan Stack System represents the next step in automated ultrasonic inspection.

Introducing the unique click-and-play stack system

The P-Scan Stack System contains everything you need for on-site automated ultrasonic inspection. But no two jobs are the same, so we designed the P-Scan Stack System with flexibility in mind.

The unique click-and-play stack system enables you to configure your set-up for any job in a matter of minutes, saving you valuable time between scans. Simply stack the modules in the order you want - there are no connecting wires or cables - and click them into place. The scanner and PA probes are recognised automatically and you're ready to go.

See the P-Scan Stack System in action at **www.p-scan.com**

Even smaller, even lighter

If there's a module you don't need, simply take it out to make the system smaller and even easier to carry.



Fewer cables, greater reliability

All connecting cables between modules are built into the system. Just click the modules into place and they connect automatically.



Never run out of power

The battery powers all modules as well as the scanner, and the system supports battery hot-swapping so you never run out of power.







"When you're working in tough conditions, you need equipment you can trust."

When you're hundreds of miles from home and only have a short window in which to complete a scan, you need an ultrasonic inspection system that you know will work - first time, every time.

Designed by operators who know what it's like to work in tough conditions, the P-Scan Stack System gives you the ultimate in usability, flexibility and reliability, so you can concentrate on the data and not the equipment.

The lightest all-in-one automated ultrasonic inspection system available, the P-Scan Stack System is ideal for work in isolated and hard-to-reach locations. It contains everything you need in an automated ultrasonic inspection system, from an integrated scanner controller to a unique battery that delivers power to all modules, as well as the scanner.

The anodised aluminium frame is built to withstand bumps, drops and pretty much anything you can throw at it. And, because we know that cables are often the first things to break, there are no connecting wires or cables. All electrical connections between the modules are built into the stack.

The result is an automated ultrasonic inspection system that you know won't let you down, however challenging the job.

Tailored training courses

Our highly customised training courses are designed specifically for your operators' level and range of tasks to ensure all education is directly relevant to your business. All our courses are run by experienced operators and can be delivered at your site or at our headquarters in Copenhagen.



Tough and robust

The P-Scan Stack System is built to withstand the toughest conditions and harshest environments.

Global support

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At FORCE Technology, we pride ourselves on providing dedicated second-to-none personal service. Our service team is available to give you phone, email or remote system support. And, if we can't solve your issue remotely, you can send your system to us for servicing – or we can come to your site to make sure you're back up and running with a minimum of downtime.



New software built from the ground up

Do you prefer touchscreen, mouse or keyboard? With the new P-Scan Stack System, the choice is yours.

The all-new Windows 8 style software has been developed from the ground up to ensure every step is intuitive. The customisable interface shows exactly the information you need for each stage in the process – to make operation fast and simple and reduce the risk of errors – and the software can be configured to suit your level and range of tasks.

Your job, your software

P-Scan Stack Software comes in three versions, so you always see the data you need.

- P-Scan Stack Software PE 1.0
- P-Scan Stack Software PA 1.0 (with Phased Array)
- P-Scan Stack Software Viewer 1.0

Perfect pre-sets

All the basic data sets are pre-defined, so you only need to perform calibration checks before you start.

Real-time scanning

With data throughput up to 15 MB/sec and unlimited file size, you get faster and more accurate inspections no matter how big the test object - and you can collect and store all data down to noise level.

Unbeatable data quality

The dynamic range of 100 dB and amplitude resolution of 22 bit gives you an unrivalled signal to noise level so you never miss a signal, even at high or low frequencies.



"My job is to prevent accidents so I need to know I have the best data possible."



The best scanners on the market

Widely recognised as the best scanners on the market, P-Scan scanners deliver unbeatable durability, precision and usability – and the new P-Scan AUS-5 is no different.

A new generation universal scanner, the P-Scan AUS-5 includes an integrated touchscreen so you can operate it directly on the object or remotely from your PC. The compact design ensures you can quickly adjust the scanner for any job, and the robust finish makes it ideal for work in tough environments.

The P-Scan Stack System is fully compatible with scanners developed for P-Scan System 4, or can be combined with the new P-Scan AUS-5 to deliver the ultimate in automated ultrasonic inspection.

Find out more about P-Scan scanners at www.p-scan.com

Touchscreen control With integrated touchscreen, you can operate the scanner directly on the object

Ideal for most surfaces

or remotely from your PC.

The extremely flexible transducer mount makes the P-Scan AUS-5 ideal for almost any job, from small pipes to planar surfaces.



Probe



Probe holder

Intelligent probes for faster set-up

With intelligent P-Scan Phased Array Probes, all relevant probe parameters are imported during set-up to save you time and reduce the risk of operator error.



About FORCE Technology

FORCE Technology is a leading technological consultancy, equipment and service provider, focusing on production optimisation, operation, testing and maintenance of industrial facilities and processes.

With headquarters in Denmark, we have subsidiaries in Sweden, Norway, the USA, Russia, China and Singapore – and work with a number of local companies to deliver secondto-none personal and local service.



E-mail: info@p-scan.com Web: forcetechnology.com