

Technical specification for P-Scan Stack System and AUS-5 Scanner

PROCESSOR		
Channels	Number of Phased Array channels Number of standard UT channels	Up to 256/512 Up to 32
Transmitter	Pulse type Amplitude Rise time Width	Rectangular, bipolar 80 V - 200 V(±40 V - ± 100 V) 7 ns 20 ns - 2 µs
Receiver	Dynamic range Frequency range Rectification Filters Input noise	>100 dB @ 5 MHz 0,05 - 30 MHz Digital, user selectable Digital, user selectable <2 nV/√Hz
Digitisation	Sampling rate Resolution Maximum number of samples Dynamic depth focusing Number of focal laws Real time data compression	120 MHz 22 bit 131.072 Yes 8.192 User selectable
Connectors	Phased Array connectors Phased Array connector type Phased Array probe recognition Standard UT connectors Standard UT connector type Scanner connector Link connectors External Modules connector Click-and-Play connectors Ethernet connector	Up to 8 I-Pex Automatic Up to 8 Fischer Fischer 2 x Fischer Fischer 2 x MILL-MAX RJ45 (IP54 protected)
PC connection	Network interface Data Throughput	Ethernet 1000Base-T Up to 30 MB/sec
Other features	Integrated scanner controller Battery operation Self check Air intake	Yes Yes, including scanner Yes No
Physical specifications	Environmental protection Temperature range	IEC class IP54 (Protected against dust and splashing water) 0 - 40° C (32 - 104 °F) standard 0 - 50° C (32 - 122 °F) extended

P-SCAN STACK SYSTEM PA 32

Channels	Number of Phased Array channels Phased Array connector Number of standard UT channels Standard UT connectors	32/64 1 x I-Pex 8 2 x Fischer (8 channels)
Physical specifications	Size (H x W x D) Weight	171 x 223 x 255 mm (6.7 x 8.8 x 10.0 inch) 5.7 Kg (12.6 lb)

P-SCAN STACK SYSTEM PA 64

Channels	Number of Phased Array channels Phased Array connectors Number of standard UT channels Standard UT connectors	64/128 2 x I-Pex 8 2 x Fischer (8 channels)
Physical specifications	Size (H x W x D) Weight	171 x 223 x 255 mm (6.7 x 8.8 x 10.0 inch) 6.1 Kg (13 lb)

P-SCAN STACK SYSTEM PE 8

Channels	Number of standard UT channels Standard UT connectors	8 2 x Fischer (8 channels)
Physical specifications	Size (H x W x D) Weight	171 x 223 x 255 mm (6.7 x 8.8 x 10.0 inch) 5.3 Kg (11,7 lb)

P-SCAN PHASED ARRAY PROBES

To see the probe specifications, please visit www.p-scan.com

P-SCAN STACK BATTERY 4		
Battery	Battery type Batteries Battery capacity Battery management	Li Ion 4 Up to 8 hours, including scanner Hot swapping
Connectors	Click-and-Play connectors	2 x MILL-MAX
Physical specifications	Size (H x W x D) Weight (without batteries) Weight (with batteries) Environmental protection Temperature range	104 x 223 x 255 mm (4.1 x 8.8 x 10.0 inch) 3.3 Kg (7.3 lb) 5.1 Kg (11.2 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F)
<hr/>		
P-SCAN STACK POWER 4		
Input/Output	Input Output	100 - 240 V AC, 47 - 440 Hz 24 V DC, 250 W
Connectors	Input connector Click-and-Play connectors	IEC C14 2 x MILL-MAX
Physical specifications	Size (H x W x D) Weight Environmental protection Temperature range	79 x 223 x 255 mm (3.1 x 8.8 x 10.0 inch) 2.9 Kg (6.4 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F)
<hr/>		
P-SCAN STACK PUMP 4		
Pressure	Flow rate	Adjustable
Hose fittings	Input/output	For 8 mm OD hose
Connectors	Link Connector Click-and-Play connectors	Fischer 2 x MILL-MAX
Physical specifications	Size (H x W x D) Weight Environmental protection Temperature range	79 x 223 x 255 mm (3.1 x 8.8 x 10.0 inch) 3.2 Kg (7.1 lb) IEC class IP54 (Protected against dust and splashing water) 0 - 50° C (32 - 122 °F)
<hr/>		
P-SCAN STACK SOFTWARE		
Software platform	Operating system Input mode	Win 7 / Win 8 (64-bit) Touch Screen, Keyboard, Mouse
File storage	Maximum data file size	Limited to hard drive size
Hardware requirements	Processor RAM Hard drive type Hard drive size Screen size Screen format Screen resolution Screen type	Intel I7 Quadcore Min. 8 GB SSD Min. 128 GB Min. 13" 16:9 Min. 1680 x 1050 Touch Screen (optional)
<hr/>		
SCANNER AUS-5		
Interface	Scanner control	Direct interface to P-scan Stack System without additional hardware
Speed	X-direction Y-direction	0 - 50 mm/sec 0 - 150 mm/sec
Y stroke	Standard Y-module rail	0 - 280 mm
Pipe diameter	Circumferential scanning	from OD 75 mm
Safety	Emergency switch	Top mounted push-button.
Physical specifications	Size (H x W x D) Weight Environmental protection Temperature range	101 x 347 x 235 mm (4.0 x 13.7 x 9.3 inch) 5,5 Kg (7.1 lb) IEC class IP55 (Protected against dust and water jets) 0 - 50° C (32 - 122 °F)
Options	Sleeves for operating scanner on non-ferritic pipes • Curved Y-module rails with radius from R150 mm • Chain guide with stainless steel chain	

Specification are subject to change without notice