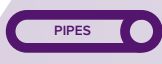


PIPESCAN

Adjustable Magnetic Flux Leakage Pipe Scanner



- > FAST, RELIABLE PIPE & SMALL VESSEL SCREENING
- > VARIOUS SCANNING HEADS FOR MULTIPLE PIPE SIZES
- > SIMPLE TO OPERATE
- > HIGH PROBABILITY OF CORROSION DETECTION



PIPESCAN

MANUAL MAGNETIC FLUX LEAKAGE PIPE SCANNER

Pipescan is an easy to use, cost effective, portable, magnetic flux leakage inspection system for the rapid screening and detection of random internal corrosion in pipe runs and small diameter vessels.

The latest magnetic material coupled with unique mechanical designs enables coverage of all pipe diameters from 1.89 inches to 7.87 foot (48 mm to 2.4 meters) with a limited number of scanning heads.

KEY FEATURES

- > Flexible heads fit a range of pipe & vessel sizes
- > Rapid screening of complete pipe work with higher probability of detection than UT spot readings
- > Use in conjunction with UT follow up for quantifying any indications
- > Simple to operate with minimum training to semi skilled operator
- > Proven MFL technology
- > Field proven durability & reliability

IN-SERVICE INSPECTION

Magnetic flux leakage inspection is not affected by product flowing through the pipe so surveys can be carried out both on-line and off-line and at surface temperatures up to 90 C. Use of Pipescan, with its high probability of detection to locate the corrosion, coupled with ultrasonic probe up, provides a cost effective accurate system for the determination of plant integrity.



ELECTRONICS MODULE

The easy to use Pipescan system consists of a scanning head and a rechargeable battery powered portable electronics module which provides up to 8 hours of operation. The same electronics module can be utilized with the Handscan MFL floor scanner.

The electronics module features audible and visual alarms to alert the operator to the presence of corrosion during a scan.

The alarm sensitivity is adjustable, allowing the operator to calibrate the Pipescan to detect corrosion above the defined reporting level, but ignore low level, non-relevant corrosion signals.





FIXED	
MODEL	PIPE DIAMETER (OD)
PS 100 B	1.89 - 2.13 inches (48 - 54 mm)
PS 100 F	2.512 - 2.95 inches (63 - 75 mm)
PS 100 C	2.95 - 3.54 inches (75 - 90 mm)



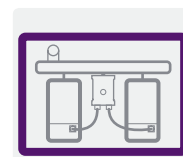
ADJUSTABLE	
MODEL	PIPE DIAMETER (OD)
PS 500	3.94 - 7.87 inches (100 - 200 mm)
PS 200	5.90 - 11.81 inches (150 - 300 mm)
PS 1200	11.81 - 94.49 inches (300 - 2400 mm)



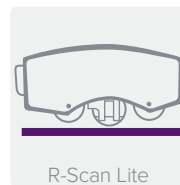
CIRCUMFERENTIAL	
MODEL	PIPE DIAMETER (OD)
PS 300	11.81 - 94.49 inches (300 - 2400 mm)
PS 400	5.90 - 11.81 inches (150 - 300 mm)

THE SILVERWING SYSTEM

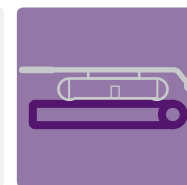
Silverwing produce a full range of equipment for corrosion inspection of storage tanks, including floor plate, wall and roof structures. The product range includes MFL mapping and manual systems, ultrasonic crawlers for thickness measurement, and vacuum boxes for weld inspection. By supplying a complete range we can offer unrivalled support, and ensure the highest quality inspection in the most efficient way. All our products are field proven by our in house teams and used by the most respected global inspection companies. For a complete overview contact our technical sales team.



RMS2



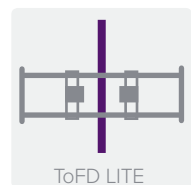
R-Scan Lite



ThetaScan



ULTRASONICS



ToFD LITE

For more information on Silverwing Systems please visit our web site: www.silverwingndt.com

HOW IT WORKS

The operator first connects the sensor cable between the scanning head and electronics module. Switch on the electronics module, set the required wall thickness and adjust the alarm sensitivity using a reference pipe with known artificial defects. Then simply set up the scanning head on the pipe to be inspected, push the scanning head and monitor the electronics module for the audible and visual alarm.

Any areas identified by the Pipescan system can then be marked on the pipe for further analysis by a secondary inspection technique, normally ultrasonic and for detailed corrosion mapping we recommend the RMS2 or Thetascan systems.



TECHNICAL SPECIFICATION

Principle of operation	Magnetic Flux Leakage
Detection	Up to 16 Hall Effect sensors (Model Dependant)
Pipe diameters	2" (48 mm) to 94" (2.4 meter) - Outside Diameter
Method of propulsion	Hand Push Speed 20"/sec (0.5 m/sec)
Profile	Clearance under / between pipework min 4.7" (120 mm)
Maximum wall thickness	5/8" (16 mm)
Test through coatings	Yes if non magnetic
Maximum coating thickness	0.236" (6 mm)
Sensitivity	Adjustable
Max sensitivity	30% pitting in 1/4" (6 mm) wall pipe
	40% pitting in 1/2" (12 mm) wall pipe
	50% pitting in 5/8" (16 mm) wall pipe
Connecting cable	5 meter standard length
Power requirements	12v battery operation
Test time	8 hour continuous working
Transit case	Meets IATA requirements for transporting magnetizable material
Operating weight	18 Kg - combined weight of scanning head and electronics module



Silverwing USA Inc
 Suite 120
 2911 South Shore Blvd
 League City
 Texas
 77573
 USA
 t:
 f:
 e: sales@silverwingndt.com
 w: www.silverwingndt.com

Silverwing UK Ltd - (Head Office)
 Unit 31
 Cwmdru Industrial Estate
 Carmarthen Road
 Swansea, SA5 8JF
 Wales, UK
 t: +44 (0) 1792 585533
 f: +44 (0) 1792 586044
 e: sales@silverwingndt.com
 w: www.silverwingndt.com

Silverwing Middle East LLC
 P. O. Box 75950
 Dubai
 United Arab Emirates
 t: + 971 4 338 0811
 f: + 971 4 338 0992
 e: sales@silverwingme.com
 w: www.silverwingme.com

Silverwing Africa (PTY) Ltd
 Private Bag X1
 Postnet Suite 419
 Melkbosstrand
 7437
 South Africa
 t: + 27 21 557 5740
 f: + 27 21 557 4354
 e: sales@silverwingafrica.com
 w: www.silverwingafrica.com

ALWAYS ACCURATE. ALWAYS EFFICIENT.

