

Swift

Single or dual direction manual weld scanner



Swift is a compact single axis, magnetic wheeled scanner that holds a pair of probes for weld inspection. This low profile scanner operates on 3" pipe (Ø88.9mm) up to flat. Swift has the innovative option of pivoting wheel units to enable B or D scans.

Single direction Swift configured for D scan of circumferential weld with two TOFD probes

Benefits

- **Operates** on 3" pipe (Ø88.9mm) up to flat
- **Accurate** positional data acquisition via high resolution waterproof encoder (33 steps/mm)
- **Innovative** pivoting wheel option for B or D scans
- **Operator-friendly** toolpost 'lock-off' design: allows for quick change of wedges
- **Reliable** brake system locks scanner in position, maintaining scan position
- **Ideal for difficult to access areas**
- **Versatile** — can hold TOFD or phased array probes and wedges
- **Tool-Free** — adjustments made using thumbscrews
- **Lightweight** — can be operated using just one hand
- **Cost-effective** TOFD and phased array inspections

Designed to complement the Phoenix manual scanner range, Swift provides a simple scanner design capable of accurate high performance inspections in difficult-access areas.

Two sets of magnetic wheels firmly attach the Swift scanner to ferritic inspection surfaces, providing stability and a smooth rolling action, whilst scanning. Tool-free probe holders provide the operator with quick setups and adjustment of probes and wedges. The single direction Swift is fitted with a brake to lock the scanner in position at any given point, allowing the operator to freely move away from the inspection area, then resume scanning at the same point.

Swift comes complete with a spring loaded waterproof wheel encoder to provide accurate defect sizing, with a high-resolution encoder of 65.6 steps/mm.

The Swift scanner offers exceptional flexibility and signal quality in a compact user-friendly unit.



Dual direction Swift, with optional pivoting wheel units, for B scans with two TOFD probes

Features

- Spring loaded waterproof wheel encoder. IP68 rated (immersion up to 1m)
- Encoder Resolution: 65.6 steps/mm
- Spring-loaded tool posts can be locked-off the scan surface
- Brake system locks scanner in position for single axis inspections
- Thumbscrews eliminate the need for any tools
- Four magnetic wheels provide firm attachment, stability and smooth rolling action on ferritic materials
- Ergonomic cable management
- Frame Construction: Light aluminium frame with operating handle
- Scanner Dimensions (mm): L 385 x H 95 x W 230
- Termination: Compatible with all acquisition units
- Range: 3" (Ø88.9mm) pipe up to flat plate

Options and Accessories

- AEP-SWIFT-PW Pivoting wheel units (pair)
- PRE-AMP-TOFD Pre-Amplifier (40dB)
- AEP-ENCWP-5M-TERM Replacement Encoder
- Couplant pump systems
- TOFD probes and wedges
- Phased array probes and wedges



Standard Kit

- 1 x Swift scanner frame including handle and 2 fixed magnetic wheel units with brake system
- 1 x Spring-loaded waterproof encoder with 5m cable
- 2 x Spring-loaded tool posts (probe holders)
- Irrigation tubing and Y connectors
- Rugged carry case

N.B. Probes and wedges not supplied with standard kit



Order Information

	Single Direction	Dual Direction	TOFD	Phased Array
AE-SWIFT-SD-TOFD	■		■	
AE-SWIFT-DD-TOFD		■	■	
AE-SWIFT-SD-PA	■			■
AE-SWIFT-DD-PA		■		■

Scan

For more information and video of Swift:



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