

MapMan - OH

Manual Corrosion Mapping Scanner



MapMan performing corrosion scans on 24" OD pipe

The MapMan - OH scanner is a two axis manual X-Y scanner designed for use with the Olympus HydroFORM probe. MapMan is fully encoded on both axis and has the ability to inspect pipes from 4" OD through to flat on any material.

The unique free moving arm allows for inspection up to a maximum stroke of 550mm. MapMan has sets of magnetic wheels which give the scanner rigidity and stability when performing an inspection. This enables data to be collected in a simple, fast and cost efficient manner by eliminating the need to re-scan areas.

The scanner design incorporates an overlap feature that can guarantee 100% coverage of the component. An additional feature of the scanner allows the operator to use the MapMan on non-ferritic material simply by removing the magnetic wheels and replacing with a belt at either end of the arm, available from 4" OD up to 48" OD (see chart on page 2).

The MapMan is part of a family of Phoenix manual and automated scanners and is designed to operate with any multi-channel flaw detection system.

Features

- Fast, simple and cost effective corrosion mapping
- For use on pipes, tanks and vessels
- Dual axis encoding
- Magnetic wheels for stability
- Increment rail to enable rapid accurate positioning of HydroFORM
- Maximum stroke inspection up to 550mm
- For use on components from 4" OD (100mm) through to flat
- Spring loaded waterproof wheel encoder. IP68 rated (immersion up to 1m)
- Encoder resolution: X = 65.6 steps/mm
Y = 1000 steps/mm
- Encoder connection: Any



MapMan with additional belts

Scanner Specification

Weight:	3kg - 5kg <i>(dependent on configuration)</i>
Encoder resolution:	X = 8 steps/mm Y = 1000 steps/mm
Encoder connector:	Any

Belt Configuration Chart

Model	Probe	Length mm (in.)	Height mm (in.)
MapMan 12"	HydroFORM	950 (38)	155 (6.2)
MapMan 24"	HydroFORM	1875 (75)	155 (6.2)
MapMan 36"	HydroFORM	2825 (113)	155 (6.2)
MapMan 48"	HydroFORM	3750 (150)	155 (6.2)

Accessories

- Brakes for use on tanks/vessels
- Additional belts for use on non-ferritic materials
- Can be used with most PA probes and conventional transducers



MapMan with optional brakes for use on tanks and vessels

Standard Kit

- 1 x 800mm arm with 50mm increment rail
- 1 x HydroFORM kit with 7.5m cables (incl. encoder)
- 1 x Cradle to hold the HydroFORM
- 2 x Set of magnetic wheels
- 1 x Linear encoder with 7.5m cable
- Irrigation tubing and accessories
- Protective carry case

