

Olympus IMS

Olympus FlexoFORM Scanner

Pine Item #52172

DESCRIPTION:

The innovative FlexoFORM™ scanner makes challenging pipe elbow corrosion inspection easier. With flexible phased array technology, one probe is all you need to cover the full range of elbow diameters.

FEATURES:

- Quickly measure the wall thickness of elbows
- 100% elbow coverage for a high probability of detection
- High-resolution data (1 mm × 1 mm)
- Intuitive 2D C-scan imaging
- Small-diameter wedge series - Used to inspect pipes with diameters smaller than 4.5 in. Users can manually scan the extrados of elbows or pipes from 1.3 in. OD up to 4 in. OD. The wedge can be fitted with a Mini-Wheel™ encoder to create an encoded one line scan.
- High-Resolution Data - The FlexoFORM scanner is used with an OmniScan® MX2 or SX flaw detector to acquire and save data with a resolution as high as 1 mm × 1 mm to detect and measure different types of damages or anomalies such as remaining wall thickness, corrosion pitting, and mid-wall lamination or inclusions. The high-density data combined with the multiple views available directly in the flaw detector or through OmniPC™ software provide clear images of the pipe material's condition and make data interpretation faster and easier. Because the entire surface of the elbow is covered, the FlexoFORM solution is less dependent on the operator and provides an improved probability of detection as compared to simple spot checking
- Wedges - Along with the scanner's wedges, a wedge series for small-diameter pipes and a series for automated rastering two-axis scanners are also available. All wedge series use the same flexible array probe.

APPLICATIONS:

- Corrosion inspection on pipelines and process piping
- Ultrasonic phased array probe and scanner that provides high-resolution thickness mapping of the complete pipe elbow
- In power plants where there are pipelines that transport water or steam



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Product Specifications

Inspection Surface Curvature	From 113 mm (4.5 in.) minimum diameter up to a flat surface
Probe Type	FA1
Probe Cable Length	5 m
Center Frequency	7.5 MHz
Magnetic Field Strength Of Wheels	0.99 miligauss at a distance of 2.1 m (7 ft) from the wheels (below the 2 milligauss limit at which restrictions would be imposed on air shipment)
Outdoor Use	Yes
Altitude	Up to 2000 m
Operating Temperature	0 °C to 45 °C
Maximum Inspection Surface Temperature	100 °C (with water flow turned on)
Storage Temperature	-20 °C to 60°C
Relative Humidity	N/A (water resistant, see IP rating below)
Pollution Level	2
IP Rating	IP55
Dimensions	US: 10.24 x 4 x 4 in. Metric: 26 x 10 x 10 cm



Video:
https://youtu.be/Qy1MMz-J_6XI

Local Delivery Pick-up

In-Stock Equipment

Repair & Calibration

Rental Protection Plan