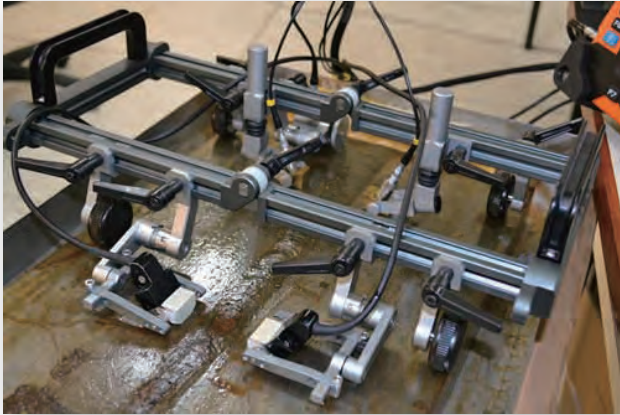


Manual PA and TOFD Crawler

UHTS-X02

Foldable Phased Array & TOFD Crawler

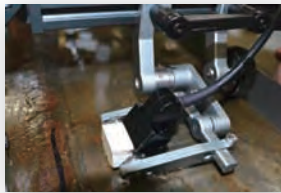


The Phased Array and TOFD crawler UHTS-X02 is compatible with PA or TOFD ultrasonic flaw detector. It can be folded in the center for longitudinal weld and unfolded for girth weld, enabling the crawler have better coupling stability to work on smaller pipes, suitable for phased array or TOFD testing on plates and pipe workpieces (with diameter larger than 500mm).

- ⊕ Standard configured as two channels TOFD crawler
- ⊕ Support Phased Array probes
- ⊕ Support up to 3 pairs of probe holders simultaneously.
- ⊕ The magnetic wheels can be attracted to the tested work piece for easy operation.
- ⊕ Spring guide way structure, which follows the tested surface, maintaining good coupling between the wedge and the tested work piece.



Foldable Structure



Probe Holder



Encoder



Magnetic Wheel

Superior Features

The Phased Array and TOFD crawler UHTS-X02 has up to six combinations to meet different application requirements.

UHTS-X02 Crawler Combinations

Combination 1 (1-channel TOFD)



Work with one pair of TOFD probes for TOFD testing on workpiece with wall thickness less than 50mm.

Combination 2 (2-channel TOFD)






Work with two pairs of TOFD probes for TOFD testing on workpiece with wall thickness less than 100mm.

Combination 3 (One Phased Array Probe)



Work with one Phased Array probe for phased array testing.

Superior Features

UHTS-X02 Crawler Combinations	
Combination 4 (Two PAUT probes)	
	Work with one pair of Phased Array probes for phased array testing.
Combination 5 (Two PAUT probes+1-channel TOFD)	
	Work with one pair of Phased Array probes and one pair of TOFD probes for phased array and TOFD testing.
Combination 6 (Two PAUT probes+2-channel TOFD)	
	Work with one pair of Phased Array probes and two pairs of TOFD probes for phased array and TOFD testing.

*The six combinations support irrigation wedges and non-irrigation wedges.

Application



UHTS-X02 crawler is compatible with flaw detector SUPOR to have simultaneous PA & TOFD inspection, which can greatly increase scanning coverage and provide multiple judgment methods to avoid misjudgment.

Simultaneous Inspection of PA & TOFD Video 

To know more, scan QR code.




Technical Parameters

Item	Description	
Weight	2.3kg	
Dimension(W×H×D)	427mm×270mm×137mm	
Packing Dimension(W×H×D)	530mm×425mm×245mm	
Scan Method	Manual, single axis scanning	
Encoder Connector Type	4-core	
Encoder Precision	10 step/mm	
Encoder IP Code	IP66	
Suitable Tested Work Piece	Plate	
	Pipe	Diameter > 500mm
Working Condition	Temperature	0°C ~ +40°C
	Relative Humidity	30%~85%
	Atmospheric Pressure	700hPa~1060hPa

Standard Accessories

Probe Holder	Left probe holder HFL-01	Support non-irrigation wedge
	Right probe holder HFR-01	
	Left probe holder HFL-04	
	Right probe holder HFR-04	

Optional Accessories

Probe Holder	Left probe holder HFL-02	Support irrigation TOFD wedge
	Right probe holder HFR-02	
	Left probe holder HML-02	Support irrigation phased array wedge
	Right probe holder HMR-02	
Probe Holder Arm	Long probe holder arm AB-02	
Auto Irrigation Device	IA-01	
Manual Irrigation Device	IH-01	