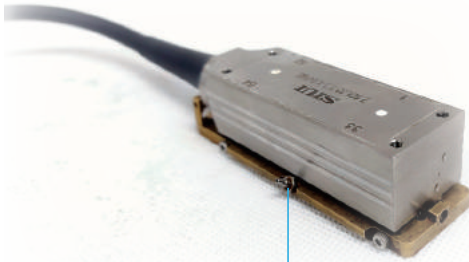


Dual Linear Array Probes for Corrosion

The DLA probe combines the "pitch-catch" mode of a conventional dual thickness probe and element electronic control of a PA probe. The combination also retain the "pseudo-focusing effect" of the conventional dual probe and electronic focusing of phased array, which concentrates sound field energy, provides better pitting testing capabilities, and also has great advantages for detecting coarse-grained and composite materials with severe attenuation.

Probe with Integrated Wedge



Water Irrigation Frame

Superior Features

- Recommend testing thickness $\geq 2\text{mm}$
- Adapt to pipe diameter $\geq 20.3\text{mm}$ and flat materials
- 1mm testing performance near the surface
- Sound beam coverage width up to 30mm~40mm
- Carbide wear-resistant design to protect wedge
- Adjustable positioning strips for perfect fit on different curvatures or flat materials.
- With a water irrigation frame to ensure the bottom of the wedge is always in good coupling with the surface of the workpiece.

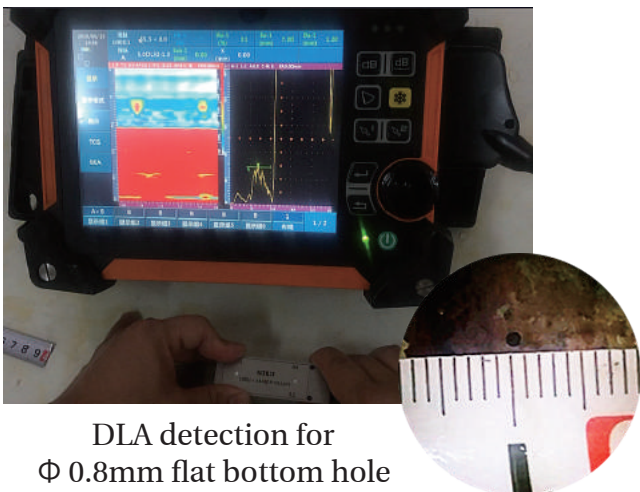
Technical Specifications

Probe Model	Frequency	Elements No.	Pitch	Passive Aperture	Array Width
	MHz		mm	mm	mm
5.0DL32-1.0-4.8-F8E	5.0	32*2	1.0	4.8	32
5.0DL32-1.3-4.8-F8E	5.0	32*2	1.3	4.8	41.6
7.5DL32-1.0-4.8-F8E	7.5	32*2	1.0	4.8	32
7.5DL32-1.3-4.8-F8E	7.5	32*2	1.3	4.8	41.6

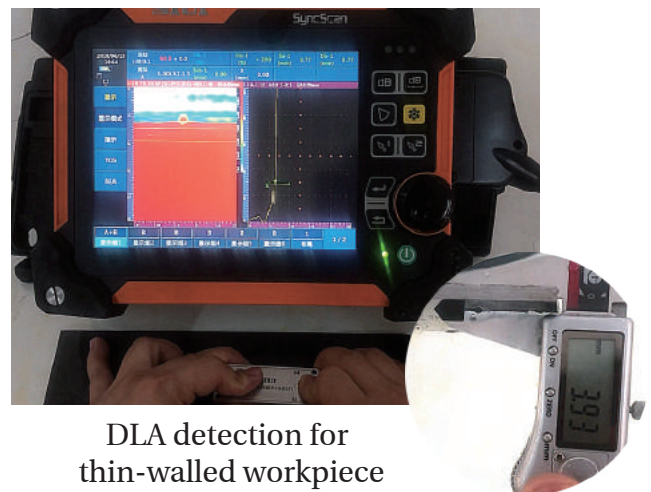
Positioning Strip Model
41N-WEAR-AOD21
41N-WEAR-AOD26
41N-WEAR-AOD33
41N-WEAR-AOD42
41N-WEAR-AOD48
41N-WEAR-AOD73
41N-WEAR

Water Irrigation Frame Model
41N-WEAR-I-AOD21
41N-WEAR-I-AOD26
41N-WEAR-I-AOD33
41N-WEAR-I-AOD42
41N-WEAR-I-AOD48
41N-WEAR-I-AOD60
41N-WEAR-I-AOD73
41N-WEAR-I-AOD88
41N-WEAR-I

Testing Results



DLA detection for $\Phi 0.8\text{mm}$ flat bottom hole



DLA detection for thin-walled workpiece

Dual Linear Array Probes for Corrosion

Probe with Replaceable Wedge



Superior Features

- Recommend testing thickness $\geq 2\text{mm}$
- Adapt to pipe diameter: $\geq 100\text{mm}$ and flat materials
- 1mm testing performance near the surface
- Sound beam coverage width up to 30mm
- Carbide wear-resistant design to protect wedge
- Detachable for perfect fit on different curvatures or flat materials

Technical Specifications

Probe Model	Frequency	Elements No.	Pitch	Passive Aperture	Array Width	Corresponding Wedge
	MHz		mm	mm	mm	
5.0DL32-1.0-5.0-FRE	5.0	32*2	1.0	5.0	32	32x5DL00L-RA12.6
7.5DL32-1.0-5.0-FRE	7.5	32*2	1.0	5.0	32	

Testing Results



DLA detection
for curved panel



DLA detection
for 8mm plate

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