

Dual Array Probes for Welds



4.0DM16x2S-1.0-3.0



2.25DM7x4S-2.71-3.0



4.0DL16-1.0-6.0



5.0DL16S-0.75-5.0-FAS
(Customized smaller size
for small tube weld inspection)

Superior Features

- Support transmit and receive longitudinal waves for inspecting welds in grainy materials.
- Better penetration and near-surface resolution.
- The "pseudo-focus effect" enables the adjustable focal area for wide coverage.
- Excellent focusing effect and signal-to-noise ratio.

Typical Applications

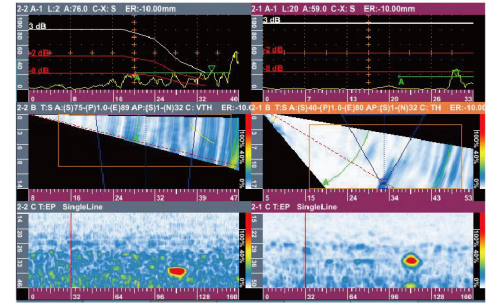
Probe Model		Recommended Thickness	Typical Applications
Dual Matrix Array Probes	4.0DM16x2S-1.0-3.0	6-40mm	Austenitic Stainless steel Welds Corrosion-Resistant Alloy (CRA) Dissimilar Welds
	2.25DM7x4S-2.71-3.0	40-90mm	
Dual Linear Array Probes	5.0DL16S-0.75-5.0-FAS	3-12mm	
	4.0DL16-1.0-6.0	6-40mm	
	2.0DL16-1.0-6.0	40-90mm	
	4.0DL32-1.0-12	6-40mm, weld \geq 40mm	
	2.25DL32-1.0-12	\geq 90mm	

Technical Specification

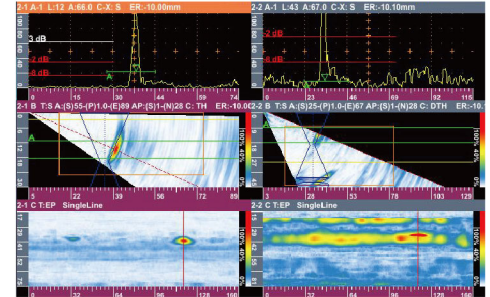
Probe Model	Frequency	Number of elements	Pitch	Active aperture mm	Housing Dimension for Single Core (mm)			Compatible Wedge
	MHz		mm		L	W	H	
4.0DM16x2S-1.0-3.0	4.0	(16x2)x2	1.0x3.0	16x6	28.5	10	23.5	D16N80L3-FD15-I-(AOD-XX) D16N55L3-FD15-I-(AOD-XX)
2.25DM7x4S-2.71-3.0	2.25	(7x4)x2	2.71x3.0	19x12	33	16	30	D19N80L3-I-(AOD-XX) D19N70L3-I-(AOD-XX) D19N55L3-I-(AOD-XX)
5.0DL16S-0.75-5.0-FAS	5.0	16x2	0.75	12	27.2	27.2	22.2	12x5DL80L2-I-(AOD-XX) 12x5DL70L2-I-(AOD-XX) 12x5DL55L2-I-(AOD-XX)
4.0DL16-1.0-6.0	4.0	16x2	1.0	16	36	13	35	D16N80L-FD15-I-(AOD-XX) D16N55L-FD15-I-(AOD-XX)
2.0DL16-1.0-6.0	2.0	16x2	1.0	16	36	13	35	D16N80L-I-(AOD-XX) D16N70L-I-(AOD-XX) D16N55L-I-(AOD-XX)
2.25DL32-1.0-12	2.25	32x2	1.0	32	56.5	20	39	D32N80L-I-(AOD-XX) D32N55L-I-(AOD-XX)
4.0DL32-1.0-12	4.0	32x2	1.0	32	56.5	20	39	D32N80L-I-(AOD-XX) D32N55L-I-(AOD-XX)

Testing Results

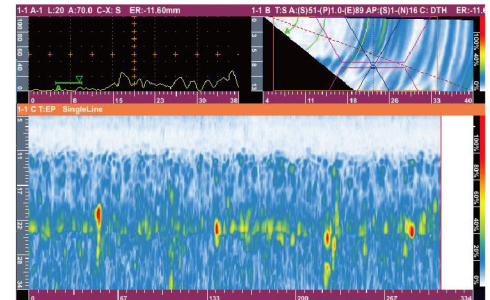
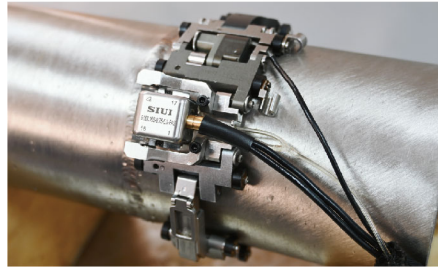
- 4.0DM16×2S-1.0-3.0 probe for testing austenitic stainless steel with thickness 15mm



- 2.25DM7×4S-2.71-3.0 probe for testing austenitic stainless steel with thickness 40mm



- 5.0DL16S-0.75-5.0-FAS probe for testing austenitic stainless steel with OD 114, thickness 6mm



On-site Application



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Specifications and appearance are subject to change without prior notice.
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