

Phased Array Transducers

X6 Series - Large Linear Scan

With similar acoustic specifications as the X2 series but with 128 elements, these probes have the capabilities to generate very large linear scan (LScan or electronic scan), making the X6 series ideal for composite inspections, blistering and corrosion mapping solutions because it can cover a large area very quickly. Also, with a fine element pitch and aperture up to 32E, it offers a very high resolution capabilities for better defect sizing, material penetration and signal to noise ratio performances.

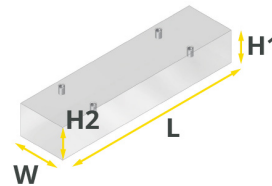
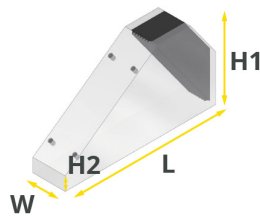


Frequent Applications

- Aerospace parts (large composite)
- Large aluminium plates (delaminations)
- Corrosion, blistering & thickness mapping

Standard

- Quick I-PEX Connector (QX)
- Quick I-PEX Bracket
- 2.5m Cable
- Other cable lengths upon request



Probe Models

Part Number	Probe Description	Frequency	Number Elements	Elevation	Element Pitch	Aperture	External Dimensions		
							L	W	H
		F (MHz)	Qty	E (mm)	P (mm)	L (mm)	(mm)	(mm)	(mm)
X6A-001	X6A-3.5M128E-0.75x10-SQX2.5	3.5	128	10	0.75	96	56	28	27.5
X6A-002	X6A-5M128E-0.75x10-SQX2.5	5	128	10	0.75	96	60	28	27.5

Wedge Models

Part Number	Wedge Description	Wave Type	Angle Steel	Cut Angle	Delay Line	Length (L)	Width (W)	Front Height (H1)	Back Height (H2)
X6AW-001	X6AW-0L25	L	0	0	25	103	30	25.0	25.0
X6AW-002	X6AW-N55S	S	55	36	0	140	30	74.8	12.5