

LINEAR (1D) - PHASED ARRAY TRANSDUCERS



Linear array probe

Ultrasonic Linear Phased Array Transducers are dedicated to high speed inspection of long products like: plates, tubes, bars, composite panels or welds.

A single probe makes it possible to inspect large areas, changing the focal distances and angle of propagation. Linear Phased Array technology can replace either mechanical scanning or a set of UT probes.

Ultrasonic Linear Phased Array Transducers are available for immersion or inspection techniques. They are manufactured with the piezo-composite technology. They can be flat, curved (convex or concave) or transversely focused.

These transducers can be provided with specific wedges, irrigation chambers, cables or adaptors and any accessories that may be needed for the industrial application.

Minimum features :

Frequency (MHz)	Minimum pitch (mm)	Mini. radius (mm)	Number of elements
0.5	2.5	40	16 - 32 - 64 - 128
1	1.0	25	16 - 32 - 64 - 128 - 256 - 512
2	0.5	10	16 - 32 - 64 - 128 - 256 - 512 - 1024
3	0.5	10	16 - 32 - 64 - 128 - 256 - 512 - 1024
5	0.3	5	16 - 32 - 64 - 128 - 256 - 512 - 1024
7	0.3	5	16 - 32 - 64 - 128 - 256 - 512 - 1024
10	0.25	3	16 - 32 - 64 - 128 - 256 - 512 - 1024
15	0.2	3	16 - 32 - 64 - 128 - 256
20	0.2	3	16 - 32 - 64 - 128
25	0.2	3	16 - 32 - 64 - 128



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BUREAU VERITAS
Certification

