

# Piezo-composite Transducers



Contact probes



Immersion probe

- Piezo-composite transducers are successfully used to detect and size defects in any opaque material such as steel, ceramics, polymers, composite materials, concrete or welds.
- The success of these transducers is due to the piezo-composite technology which provides a very high level of sensitivity along with a broad band signal. Piezo-composite technology also allows the manufacturing of focused probes without lenses, which gives them a better sensitivity and no stray echoes.
- Piezo-composite transducers are proposed either in the immersion, contact or TOFD technique. They can be produced with very large frequency domains and large sizes.

Standard configurations are :

Frequency (MHz)	Minimum Size (mm)	Maximum Size (mm)	Minimum Focusing (mm)	Immersion LW	Contact LW / SW
0,25	10	100	40	0°	30° to 70°
0,5	10	100	25	0°	30° to 70°
1	5	100	25	0°	30° to 70°
2	3	100	10	0°	30° to 70°
5	1	100	5	0°	30° to 70°
7	1	50	5	0°	30° to 70°
10	1	30	3	0°	30° to 70°
15	1	20	3	0°	30° to 70°
<b>20</b>	<b>1</b>	<b>15</b>	<b>3</b>	<b>0°</b>	<b>30° to 70°</b>
<b>25</b>	<b>1</b>	<b>10</b>	<b>3</b>	<b>0°</b>	<b>30° to 70°</b>

New