Elcometer 307 Single Element Transducers

Intelligent Single Element Transducers

The Elcometer Transducer range has intelligent automatic transducer recognition ensuring correct probe identification even when the transducer is changed.

When selecting a transducer it is important to choose one which will meet the specific application's needs. The type of material to be tested, the measurement range, the shape of the substrate (curved or flat) and the size of the material should be considered when selecting the appropriate transducer. All part numbers starting with 'TX' are Potted Right Angle transducers and are supplied with a calibration certificate.

Part Number	Probe Diameter	Probe Configuration	Damping*	Suitable for measuring				Suitable for
				Thin Plastics	Steel	Aluminium	Titanium	307
15.0 MHz Single Element Transducer								
TXC15M0CM	1/4"	Right Angle	S	•	•	•	•	•
20.0 MHz Single Element Transducer								
TXC20M0CM	1/4"	Right Angle	S	•	•	•	•	•

*S - Standard Undamped Transducer

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When used with an adaptor, this range of transducers is also suitable for use with the Elcometer 307[1] precision thickness gauges.

The Elcometer adaptor allows dual element, 'non-intelligent' and other transducers with Lemo Connectors from Elcometer and other manufacturers to be used with the Elcometer 307 thickness gauge.

[1] Transducer Adaptor required - part number T92025657.

Part Number	Probe Diameter	Element Type	Probe Characteristic	Damping*	Connector type			Suitable for measuring					
					Microdot	Top	Side	Plastics	Thin Plastics	Thin Fibreglas	Steel	Aluminium	Titanium
2.25 MHz Single Element Precision Transducer													
TX2M25CM-4	1/4"	Si/El Contact	Standard	S	•		•	•			•	•	•
TX2M25EM-4	1/2"	Si/El Contact	Standard	S	•		•	•			•	•	•
5.00 MHz Single Element Precision Transducer													
TX5M00AM-1	1/8"	Si/El Contact	Standard	S	•		•	•			•	•	•
TX5M00CM-6	1/4"	Si/El Contact	Standard	S	•		•	•			•	•	•
TX5M00EM-5	1/2"	Si/El Contact	Standard	S	•		•	•			•	•	•
10.00 MHz Single Element Precision Transducer													
TX10M0BM-1	3/16"	Si/El D/Line Pencil	1/16" Tip	S	•	•			•		•	•	•
TX10M0BM-2	3/16"	Si/El D/Line Pencil	90° Right Angle	S	•		•		•		•	•	•
TX10M0CM-3	1/4"	Si/El Contact	Standard	S	•		•	•			•	•	•
TX10M0AM-1	1/8"	Si/El Contact	Standard	S	•		•	•			•	•	•
15.00 MHz Single Element Precision Transducer													
TX15M0CM	1/4"	Si/El Delay Line	Standard	S	•		•		•		•	•	•
20.00 MHz Single Element Precision Transducer													
TX20M0CM	1/4"	Si/El Delay Line	Standard	S	•		•		•		•	•	•

*S - Standard Undamped Transducer