Elcometer 204 & 304 Dual Element Transducers

Intelligent Dual 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*	Hi Temp	ThruPaint™	Suitable for measuring									Suitable for
						Cast Iron	Plastics	Thin Plastics	Fibreglass	Thin Fibreglass	Steel	Glass	Aluminium	Titanium	304
1.00 MHz Dual Element Thickness Transducer															
TXC1M00EP-2	1/2"	Right Angle	S			•	•		•						•
2.25 MHz Dual Element Thickness Transducer															
TXC2M25CP-2	1/4"	Right Angle	S			•	•			•					•
TXC2M25EP-2	1/2"	Right Angle	S			•	•			•					•
3.50 MHz Dual Element Thickness Transducer															
TXC3M50EP-1	1/2"	Right Angle	CT, HD		•	•	•			•					•
5.00 MHz Dual Element Thickness Transducer															
TXC5M00BP-4	3/16"	Right Angle	CT, HD		•			•			•	•			•
TXC5M00CP-4	1/4"	Right Angle	S					•			•	•			•
TXC5M00CP-6	1/4"	Right Angle	CT, HD		•			•			•	•			•
TXC5M00CP-8	1/4"	Hi Temp	HD	•				•			•	•			•
TXC5M00EP-3	1/2"	Right Angle	S					•			•	•			•
TXC5M00EP-4	1/2"	Right Angle	CT, HD		•			•			•	•			•
7.50 MHz Dual Element Thickness Transducer															
TXC7M50BP-3	3/16"	Right Angle	CT, HD		•			•			•	•	•		•
TXC7M50CP-4	1/4"	Right Angle	S					•			•	•	•		•
TXC7M50CP-5	1/4"	Right Angle	CT, HD		•			•			•	•	•		•
10.0 MHz Dual Element Thickness Transducer															
TXC10M0BP-1	3/16"	Right Angle	S								•		•	•	•
TXC10M0CP-4	1/4"	Right Angle	S								•		•	•	•

* HD - Highly damped transducer CT - Damped coating thickness transducer S - Standard undamped transducer

Elcometer 204 & 304 Dual Element Transducers

Standard Dual Element Transducers

When used with an adaptor, the range of transducers below is also suitable for use with the Elcometer 304[1] thickness gauge.

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 304 product range.

[1] Transducer Adaptor required - part number T92024911.

Part Number	Probe Diameter	Probe Characteristic	Damping	ThruPaint™	Connector Type					Suitable for measuring				
					Potted	Microdot	Lemo	Top	Side	Cast Iron	Plastics	Fibreglass	Thin Fibreglass	Steel
1.00 MHz Dual Element Thickness Transducer														
TX1M00EP-1	1/2"	Standard	S		•			•		•	•	•	•	
TX1M00EP-2	1/2"	Standard	S		•				•	•	•	•	•	
TX1M00EM-1	1/2"	Standard	S			•		•		•	•	•	•	
TX1M00EM-2	1/2"	Standard	S			•			•	•	•	•	•	
TX1M00EP-3	1/2"	Composite	S		•				•	•	•	•	•	
TX1M00EL	1/2"	Armoured	S				•		•	•	•	•	•	
2.25 MHz Dual Element Thickness Transducer														
TX2M25CP-1	1/4"	Standard	S		•			•		•	•		•	
TX2M25CP-2	1/4"	Standard	S		•				•	•	•		•	
TX2M25CM-1	1/4"	Standard	S			•		•		•	•		•	
TX2M25CM-2	1/4"	Standard	S			•			•	•	•		•	
TX2M25CP-3	1/4"	Hi Temp[2]	S		•			•		•	•		•	
TX2M25CM-3	1/4"	Hi Temp[2]	S			•		•		•	•		•	
TX2M25EP-1	1/2"	Standard	S		•			•		•	•		•	
TX2M25EP-2	1/2"	Standard	S		•				•	•	•		•	
TX2M25EM-1	1/2"	Standard	S			•		•		•	•		•	
TX2M25EM-2	1/2"	Standard	S			•			•	•	•		•	
TX2M25EP-3	1/2"	Hi Temp[2]	S		•			•		•	•		•	
TX2M25EM-3	1/2"	Hi Temp[2]	S			•		•		•	•		•	
TX2M25EP-4	1/2"	Composite	S		•				•	•	•		•	
TX2M25EL-1	1/2"	Armoured	S				•		•	•	•		•	
3.50 MHz Dual Element Thickness Transducer														
TX3M50EP-4	1/2"	Standard	H	•	•				•	•	•		•	•
TX3M50EP-1	1/2"	Coating Thickness	CT	•	•				•	•	•		•	•

[1] Transducer Adaptor required - part number T92024911.
[2] High temperature probes suitable for measuring 343°C (650°F)
S - Standard Undamped Transducer
CT - Damped Coating Thickness Transducer
HD - Highly damped Transducer
H - Highly Damped Transducer

Elcometer 204 & 304 Dual Element Transducers

Standard Dual Element Transducers

When used with an adaptor, the range of transducers below is also suitable for use with the Elcometer 304[1] thickness gauge.

Part Number	Probe Diameter	Probe Characteristic	Damping	ThruPaint™	Connector Type					Suitable for measuring			
					Potted	Microdot	Lemo	Top	Side	Cast Iron	Thin Plastics	Steel	Glass
5.00 MHz Dual Element Thickness Transducer													
TX5M00BP-2	3/16"	Standard	S		•			•			•	•	•
TX5M00BP-3	3/16"	Standard	S		•				•		•	•	•
TX5M00BP-5	3/16"	Standard	H	•	•				•		•	•	•
TX5M00BM	3/16"	Standard	S			•			•		•	•	•
TX5M00BP-1	3/16"	Low Profile	S		•				•		•	•	•
TX5M00BP-4	3/16"	Coating Thickness	CT	•	•				•		•	•	•
TX5M00CP-3	1/4"	Standard	S		•			•			•	•	•
TX5M00CP-9	1/4"	Standard	H	•	•			•			•	•	•
TX5M00CP-4	1/4"	Standard	S		•				•		•	•	•
TX5M00CP-10	1/4"	Standard	H	•	•				•		•	•	•
TX5M00CM-1	1/4"	Standard	S			•		•			•	•	•
TX5M00CM-2	1/4"	Standard	S			•			•		•	•	•
TX5M00CM-9	1/4"	Standard	H	•		•			•		•	•	•
TX5M00CP-1	1/4"	Low Profile 1" Wand	S		•				•		•	•	•
TX5M00CP-2	1/4"	Low Profile 9" Wand	S		•				•		•	•	•
TX5M00CP-6	1/4"	Coating Thickness	CT	•	•				•		•	•	•
TX5M00CM-3	1/4"	Coating Thickness	CT	•		•			•		•	•	•
TX5M00CP-7	1/4"	Hi Temp[2]	S		•			•			•	•	•
TX5M00CP-8	1/4"	Hi Temp[2]	H	•	•			•			•	•	•
TX5M00CM-4	1/4"	Hi Temp[3]	H	•		•		•			•	•	•
TX5M00CM-5	1/4"	Hi Temp[2]	S			•		•			•	•	•
TX5M00EP-2	1/2"	Standard	S		•			•			•	•	•
TX5M00EP-3	1/2"	Standard	S		•				•		•	•	•
TX5M00EP-10	1/2"	Standard	H	•	•				•		•	•	•
TX5M00EM-1	1/2"	Standard	S			•		•			•	•	•
TX5M00EM-2	1/2"	Standard	S			•			•		•	•	•
TX5M00EP-4	1/2"	Coating Thickness	CT	•	•				•		•	•	•
TX5M00EP-5	1/2"	Hi Temp[2]	S		•			•			•	•	•
TX5M00EM-3	1/2"	Hi Temp[3]	S			•		•			•	•	•
TX5M00EM-4	1/2"	Hi Temp[2]	S			•		•			•	•	•
TX5M00EP-6	1/2"	Hi Temp[2]	H	•	•			•			•	•	•
TX5M00EL-1	1/2"	Armoured	S				•		•		•	•	•
TX5M00EP-1	1/2"	Cylinder Probe - Iron	S		•				•	•	•	•	•

[1] Transducer Adaptor required - part number T92024911.
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Elcometer 204 & 304 Dual Element Transducers

Standard Dual Element Transducers

When used with an adaptor, the range of transducers below is also suitable for use with the Elcometer 304[1] thickness gauge.

Part Number	Probe Diameter	Probe Characteristic	Damping[1]	ThruPaint™	Connector Type				Suitable for measuring				
					Potted	Microdot	Top	Side	Thin Plastics	Steel	Glass	Aluminium	Titanium
7.50 MHz Dual Element Thickness Transducer													
TX7M50BP-1	3/16"	Standard	S		●		●		●	●	●	●	
TX7M50BP-2	3/16"	Standard	S		●			●	●	●	●	●	
TX7M50BP-3	3/16"	Coating Thickness	CT	●	●			●	●	●	●	●	
TX7M50CP-1	1/4"	Exxon Spec	S		●		●		●	●	●	●	
TX7M50CP-2	1/4"	Exxon Spec	S		●			●	●	●	●	●	
TX7M50CM-1	1/4"	Exxon Spec	S			●	●		●	●	●	●	
TX7M50CM-2	1/4"	Exxon Spec	S			●		●	●	●	●	●	
TX7M50CP-3	1/4"	High Resolution	S		●		●		●	●	●	●	
TX7M50CP-4	1/4"	High Resolution	S		●			●	●	●	●	●	
TX7M50CP-6	1/4"	Standard	H	●	●			●	●	●	●	●	
TX7M50CP-5	1/4"	Coating Thickness	CT	●	●			●	●	●	●	●	
TX7M50CM-3	1/4"	High Resolution	S			●	●		●	●	●	●	
TX7M50CM-4	1/4"	High Resolution	S			●		●	●	●	●	●	
10.00 MHz Dual Element Thickness Transducer													
TX10M0BP-1	3/16"	Standard	S		●			●		●		●	●
TX10M0BP-2	3/16"	Standard	S		●		●			●		●	●
TX10M0CP-3	1/4"	Standard	S		●		●			●		●	●
TX10M0CP-4	1/4"	Standard	S		●			●		●		●	●
TX10M0CM-1	1/4"	Standard	S			●	●			●		●	●
TX10M0CM-2	1/4"	Standard	S			●		●		●		●	●
TX10M0CP-1	1/4"	Low Profile 1" Wand	S		●			●	●	●	●		
TX10M0CP-2	1/4"	Low Profile 9" Wand	S		●			●	●	●	●		
TX10M0EP-2	1/2"	Standard	S		●		●			●		●	●
TX10M0EP-3	1/2"	Standard	S		●			●		●		●	●
TX10M0EM-1	1/2"	Standard	S			●	●			●		●	●
TX10M0EM-2	1/2"	Standard	S			●		●		●		●	●
TX10M0EP-1	1/2"	Cylinder Probe - Alum	S		●			●	●	●	●		

[1] Transducer Adaptor required - part number T92024911.
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