



Sonatest

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TRANSDUCER CATALOGUE



Sonapen

Delay Line Contact Transducer

Features

- Single normal beam compression wave contact transducer
- Circular composite crystal
- Max operating temperature 50°C / 120°F
- Replaceable delay line tip producing a focused beam
- Straight and right angle head options available

Common Applications

- Ceramics / Composites
- Machine parts



Transducer Models				
Product Code	Description	Frequency (MHz)	Crystal Diameter (mm / Inches)	Nearfield Length in Steel (mm / Inches)
SONAPEN	10MHz 3/16" Pencil Transducer	10	5mm / 3/16"	10.5mm / 0.413"

Case Dimensions and Details				
Transducer Version	Width/Diameter (mm / Inches)	Height (mm / Inches)	Connector Options	Position Options
Straight Head	10mm / 0.394"	112mm / 4.409"	D	Top
Right Angle Head	17mm / 0.669"	110mm / 4.331"	D	Top

Delay Line	
Product Code	Description
PRD-1	Delay tip 10uS, 0.0625" Dia. Tip
PRD-2	Delay Tip, 10uS, 0.125" Dia. Tip

THM

Twin Crystal Compression Transducers

Features

- Dual normal beam compression wave contact transducers
- Rectangular lead zirconate titanate crystals
- Max operating temperature 50°C / 120°F
- High temperature option available
- Medium damped for medium bandwidth

Common Applications

- Castings / Forgings / Thickness surveys



Transducer Models				
Product Code	Description	Frequency (MHz)	Crystal Diameter (mm / Inches)	Nearfield Length in Steel (mm / Inches)
THM2-10	Twin Contact 2Mhz 0° LEMO 00	2	11mm / 0.433"	10.2mm / 0.402"
THM2-24	Twin Contact 2Mhz 0° LEMO 00	2	7 x 18mm / 0.276 x 0.709"	27.2mm / 1.071"
THM4-10	Twin Contact 4Mhz 0° LEMO 00	4	3.5 x 10mm / 0.138 x 0.394"	16.8mm / 0.661"
THM4-24	Twin Contact 4Mhz 0° LEMO 00	4	6 x 20mm / 0.236 x 0.787"	67.1mm / 2.642"

Case Dimensions and Details				
Transducer Version	Width/Diameter (mm / Inches)	"Height (mm / Inches)"	Connector Options	Position Options
11mm / 0.433"	20mm / 0.787"	45mm / 1.772"	Z	Side
7 x 18mm / 0.276 x 0.709"	32mm / 1.26"	60mm / 2.362"	Z	Side
3.5 x 10mm / 0.138 x 0.394"	20mm / 0.787"	45mm / 1.772"	Z	Side
6 x 20mm / 0.236 x 0.787"	32mm / 1.26"	60mm / 2.362"	Z	Side

