

Ultrasonic Transducers

We offer wide range of transducers for various applications such as Flaw Detection, Thickness Gauging & Material Research. Our standard range includes:



- Contact normal beam transducers
- Dual element transducers
- Angle beam transducers
- Immersion transducers (Focused / Non-focused)
- Transducers with replaceable delay line / angle wedges

Transducers are manufactured in subminiature, miniature, normal & large crystal size, to suit the component shape & test requirements. A wide range of frequency & size of crystal is available. Special custom designed transducers are also manufactured to suit specific test requirements, with modified case designs, connectors, special wedges, etc.

ANGLE BEAM DIRECT CONTACT PROBE WITH RENEWABLE SOLE (A/ AMB/ AMK /AM / AF TYPE)



- Inclined beaming of shear waves
- Less wear & tear due to replaceable wear soles
- Sturdy metal casing
- High reserve gain, good sensitivity
- Broadband width (AMK type)
- Fast scanning compared to standard probes
- Available in 400,600,700 & in 2,4 MHz
- Available in 20 x 22 / 14 x 14 / 8 x 9 / 3 x 4 mm crystal size

NORMAL BEAM DUAL CRYSTAL (TR) DIRECT CONTACT PROBES (TR / TRM / TRF TYPE)



- Perpendicular beaming of longitudinal waves
- Separate crystals for transmitter & receiver
- Excellent signal-to-noise ratio
- Better near surface resolution
- Suitable for testing thin plates, tube walls
- Frequency range 1/2/4/6/10 MHz
- Available in 24mm /10mm / 5mm Ø crystal size

NORMAL BEAM DIRECT CONTACT PROBES WITH REPLACEABLE PROTECTIVE MEMBRANE (N / NM / NF TYPE)



- Perpendicular beaming of longitudinal waves
- Less wear & tear due to replaceable membranes
- Sturdy metal casing
- High reserve gain
- Frequency range 0.5/1/2/2.5/4/6/10 MHz
- Available in 24 mm/10 mm/5mm Ø

COARSE GRAIN DIRECT CONTACT PROBES (AN / AD / ADL / AMD / AMDL TYPE)



- Good penetration in coarse grain materials
- Large signal to noise ratio
- Suitable for castings / austenitic welds
- Perpendicular as well as inclined beaming of longitudinal waves

SPECIAL PROBES RANGE

- Turbine blade testing
- Ball housing
- Special delay line / wedges
- Surface wave application
- Piston bond testing
- Rotary tube testing
- Array transducers
- Plate testing
- Propeller / Compressor Blade testing
- Pipe Weld testing



High Temperature Probes & Delay Line



Rota Probes



Array Probe TRPT-6X48



ENM-4C/ ROT - 180



Array Probe TRX-5B



Propeller/Compressor Blade Testing
(Used in aircraft maintenance)