

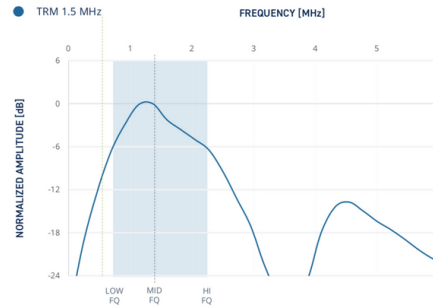


TRM 1.5 MHz

TRM-EA-1.5MHz (no delay line)
TRM-EC-1.5MHz (12mm aqualene 320)

DESCRIPTION

The 1.5MHz transducer module (TRM) is currently our lowest frequency on offer, and is designed for maximum penetration of thick GFRP and thick, out-of-autoclave CFRP with porosity. Applications include wind turbine blades, marine GFRP and thick section GFRP piping. Typical component thicknesses are around 1-60mm.



TECHNICAL DETAILS

Transducer Type Matrix (2D-array)

Transducer Elements 64x64 (4,096)

Transducer Aperture 32 x 32 mm

Element Pitch 500 μ m

Center Frequency 1.5 MHz

-6dB Frequency Bandwidth 110%

Sample Rate 50 MHz

Acquisition Rate A-scans 100,000 – 500,000 datasets per second

Acquisition Rate 3D 10-40 3D volumes per second

SIZE AND WEIGHT

Width 40mm / 1.6 inch

Length 40mm / 1.6 inch

Height 84mm / 3.4 inch

Weight 265 grams (excluding cable and delay line)

RESOURCES

Case Study [Unrivalled Ultrasonic Inspection result for wind blades](#)

Video [Demo Dolphicam on GRP-pipe](#)