

## TRM 2.5 MHz

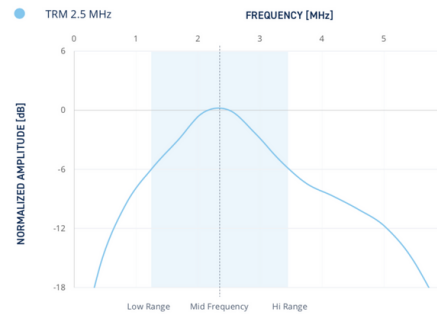
TRM-BE-2.5MHz (no delay line)  
TRM-BG-2.5MHz (8mm aqualink 100)  
TRM-BF-2.5MHz (8 mm aqualene 320)  
TRM-BH-2.5MHz (12 mm aqualene 320)



### DESCRIPTION

The 2.5 MHz transducer module (TRM) is well-suited to thicker section and lower grade composite material inspection. These include GFRP, out-of-autoclave CFRP as well as thick, coarse-grained metals. Applications include wind turbine blades, marine GFRP and CFRP, GFRP piping and thermal power. Typical component thicknesses are around 1-50mm\*.

\* Get in touch for specific material and penetration information as it can vary.



### TECHNICAL DETAILS

Transducer Type Matrix (2D-array)

Transducer Elements 128x128 (16,384)

Transducer Aperture 32 x 32 mm

Element Pitch 250  $\mu$ m

Center Frequency 2.5 MHz

-6dB Frequency Bandwidth 90%

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

Capability study [A220 Wing Skin Sample](#)