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**: 128 x 128 (16,384)
- **Transducer Aperture**: 32 x 32 mm
- **Element Pitch**: 250 μm
- **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