



TRM 8 MHz

TRM-DB-8MHz (8 mm rexolite)

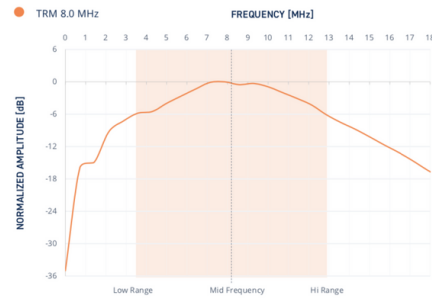
DESCRIPTION

The 8 MHz transducer module (TRM) is a great choice for a wide range of metallic applications. This frequency provides high resolution for great sensitivity, while also providing enough penetration for fine grained metal. It is also capable of inspection of high grade composites, such as aerospace CFRP. Other applications include process piping, Typical component thickness range are around 1-20mm*.

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



Transducer 3.5 MHz



TECHNICAL DETAILS

Transducer Type Matrix (2D-array)

Transducer Elements 128x128 (16,384)

Transducer Aperture 32 x 32 mm

Element Pitch 250 μ m

Center Frequency 8 MHz

-6dB Frequency Bandwidth 120%

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 - [Detection of water ingress on an aluminium honeycomb sandwich panel](#). This is a common inspection, usually done with legacy ultrasonic systems.