

# Echo E58D1 High Temperature Corrosion Mapping and Thickness Gauging Transducer

## Dual Element Transducer for Use at Temperatures from -50 to 1000°F / -45 to 538°C

- No cooling requirements, maximizing productivity and minimizing down-time or outages with in-service inspection.
- No premature probe failures from heat exposure.

### Application:

- Measure wall thickness from 1 to 500 mm with most manufacturer's thickness gauges on hot assets, in-service, without shutdown.
- Better data from easier and more accurate calibration at asset temperature.
- Increased wear and temperature resistance for the most extreme environments and applications.
- Accessories including connector guard, port inspection wand and Cool Hand™ Housing for extreme temperatures and operator safety.
- Compatible with all ultrasonic gauges and flaw detectors.
- Compliant to EN 12668:2 and ASTM E/1065 to meet existing asset integrity UT procedures.
- Acoustic characteristics certificate of conformity supplied with each unit.



PARAMETER	VALUE
Surface Temperature Range	-50 to 1000°F / -45 to 538°C
Storage Temperature Range	-50 to 176°F / -45 to 80°C
Tip Diameter	11 mm / 0.434 inches
Connector Type	Microdot (straight)
Transducer Center Frequency	5 MHz
Active Element Diameter	8 mm / 0.315 inches
Wear Allowance	1.5 mm / 0.06 inches
Range in Steel (with Compatible Gauge)	1 to 500 mm / 0.04 to 20 inches
Echo to Echo Range in Steel	2.5 to 50 mm / 0.1 to 2 inches



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