

# EchoTherm™

## High Temperature Ultrasonic Couplant

**EchoTherm** is a high temperature thickness gaging and corrosion testing couplant that has an operating range of 200° to 1000° F (93° to 538° C) and an auto-ignition temperature of above 1300° F (704° C).

### PRODUCT DESCRIPTION

EchoTherm removes the industrial accident liability, personnel risk and “startle factor” of surprise auto-ignition events when performing high temperature thickness gaging or corrosion profiling.

Due to the small mass of EchoTherm used for ultrasonic thickness gaging, the slow rate of thermal decomposition and local ventilation, the smoke is not anticipated to be a health hazard.

**Residue:** EchoTherm will leave a charred polymer residue that must be removed for subsequent inspections. If no residue is preferred, EchoTherm Extreme is recommended.

**EchoTherm** contains a polymer which melts (and begins to smoke) at 750° F (400° C) which extends the operating range, however, it is not necessary to reach this temperature to obtain instant readings. EchoTherm is the most economical ultra-high temperature couplant.

If you are testing below 700° F, **VersaSonic** is the recommended couplant with an operating range of -10° to 700° F.

If you are testing below 775° F, **HiTempco** is the ideal couplant with no residue and an operating range of -50° to 775° F.



### PRODUCT SPECIFICATIONS

**Operating Range:**  
200° to 1000° F (93° to 538° C)

- **Auto-ignition Temperature\*:** 1300° F (704° C)

\*Test by John A Kennedy & Assoc., ASTM E659-14

- **Flash Point:** 1050° F (570° C)
- **Viscosity:** Thick Paste

### PACKAGING

**ETM-02:**  
2 fluid oz. / 4 oz. avdp (weight), metal tubes

SDS available at [www.echoultrasonics.com](http://www.echoultrasonics.com)



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