

Liquid Couplants

Probe accessories to facilitate accurate, fast and reliable measurements across all temperatures

ionix

ADVANCED TECHNOLOGIES

DESCRIPTION

Thickness gauging and corrosion mapping is often conducted in-service at temperatures exceeding 250 °C (482 °F) where not only can the couplant degrade, evaporate, or vaporize, but also reach the temperature at which autoignition can occur.

Ionix supply a range of couplants from Echo Ultrasonics for temperatures above 150 °C (302 °F) which offer high temperature stability, low corrosion characteristics, low toxicity, and smoke, and have clear indication of their auto-ignition temperatures.

BENEFITS

- Gels or pastes with different viscosities for all applications
- Couplants for all measurement applications from -45 to +675 °C (-50 to +1250°F)
- Provide strong signals and fast response measurements across a broad range of temperatures
- Non-toxic with low smoke and no residue options available
- Options which meet ASTM F519 and offer long-term corrosion resistance and inhibition
- Low viscosity options for scanning, by request

APPLICATIONS

- All thickness measurements from -45 to +675 °C (-50 to +1250 °F)
- Scanning applications with low viscosity products

Description	Temperature range	Product Code	Unit
VersaSonic®, High Viscosity. Meets ASTM F519 for corrosion resistance.	-23 to +371 °C (-10 to +700 °F).	VS-04	4 fl. Oz/ 120mL
HiTempco Ultrasonic Couplant. Excellent corrosion inhibition.	-45 to +412 °C (-50 to +775 °F)	HT-04	4 fl. Oz/ 120mL
EchoTherm™ High Temperature Couplant	+93 to +538 °C (+200 to +1000 °F)	ETM-02	4 fl. Oz/ 120mL
EchoTherm Extreme™ High Temperature Couplant. Meets ASTM F519 for corrosion resistance.	-40 to +675 °C (-40 to +1250 °F).	ETM-EX-02	4 fl. Oz/ 120mL

hotsensei® | Powered by ionix



Ultrasonic Couplants



Solid Couplant Discs

Probe accessories to facilitate accurate, fast and reliable measurements across all temperatures



DESCRIPTION

EchoTherm Discs are a high temperature solid couplant for use above 370 °C (700 °F) when no other couplant will work.

EchoTherm Discs are adhered to the probe tip using a small amount of EchoTherm couplant.

The solid EchoTherm Disc will begin to melt at 370 °C (700 °F) within a few seconds to provide excellent coupling for the most challenging applications.

Ideal for use with the Couplant Dispenser.

BENEFITS

- Provides excellent ultrasonic coupling for spot measurements at ultra-high temperatures >370 °C (700 °F)
- Adheres to the front of the probe for simple measurements with restricted access
- Autoignition temperature >700 °C (1300 °F) for safe operation on all critical assets

APPLICATIONS

- High temperature spot inspections >370 °C (700 °F)
- Very high temperatures, >370 °C (700 °F), where other couplants vaporize too quickly
- Rough surfaces
- Tight curvature parts
- Ports where it is difficult to keep the couplant on the transducer



Description	Product Code	Unit
EchoTherm Discs, Operating Range +370 to +550 °C (+700 to +1000 °F). Must be used with EchoTherm™ High Temperature Couplant.	ETM-D40	10, 50, 100

hotsensei® | Powered by ionix



Ultrasonic Couplants

Want to discuss your demanding environment needs?

+44 (0) 1484 505859

contact@ionix.at

www.ionix.at

@ionix_at

ionix-advanced-technologies

@ionixadvancedtechnologies

