Liquid Couplants

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





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 |







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



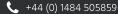
| Description | Product Code | Unit |
|--|--------------|-------------|
| EchoTherm Discs, Operating Range +370 to +550 °C (+700 to +1000 °F). Must be used with EchoTherm™ High Temperature Couplant. | ETM-D40 | 10, 50, 100 |





Ultrasonic Couplants

Want to discuss your demanding environment needs?



contact@ionix.at

www.ionix.at



in ionix-advanced-technologies









