

NEW!

# HotSense™ HeatMaster for High-Temperature PAUT Corrosion Surveys

Conduct on-stream corrosion mapping at high-temperature without shutdown or isolation.

Enable on-stream corrosion surveys with the HeatMaster PA cooled wedge. Compatible with a range of commercially available linear arrays to elevate your inspection up to 250 °C.

**Keywords:** corrosion, erosion, wear, on-stream mapping, extreme environments, high-temperature



## HOTSENSE

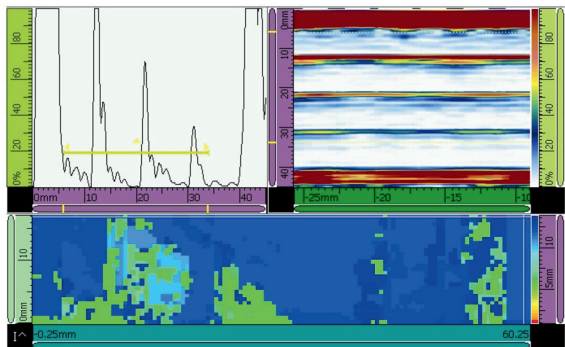
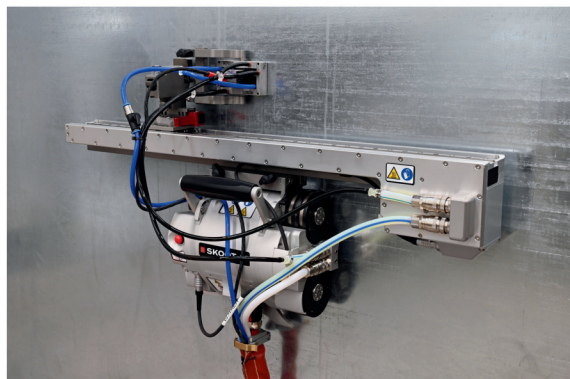
- Enable on-stream, automated corrosion mapping with HotSense™ HeatMaster cooled wedge.
- Operate continuously up to 250 °C ( 482 °F ) with compatible cooler units.
- Compatible with a broad range of commercial linear UT arrays
- Low profile to fit most automated, high-temperature crawlers and scanners
- Quick and easy to set up and get started
- TempCheck indicators to prevent over-heating

## APPLICATION

- Perform precision corrosion inspections on materials with surface temperatures up to 250 °C ( 482 °F ) without duty cycling.
- No-fuss integration with connections directly to scanner cooling system.
- No-tools hot-swappable wedge for easy replacement.
- Cable management system available to protect cables, coupling and cooling tubes.
- Survey large areas for corrosion damage whilst asset is operational.

## SOLUTION

- Ready to fit type 10, 11, 12, 31, 32 linear arrays out-of-the-box
- Available with Quick-Connect compatible cooling adapter kit for Jireh Skoot HT.
- Compatible with commercially available scanners, crawlers and flaw detectors - fits conventional tool posts.
- Water free system, compatible with commercial silicone pumpable grade couplants.
- Maintain high-accuracy and reliable measurements with Ionix compensation guidance



hotsense® | Powered by ionix

# HotSense™ HeatMaster PA



## HEATMASTER PA WEDGE SPECIFICATION

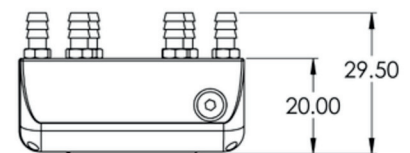
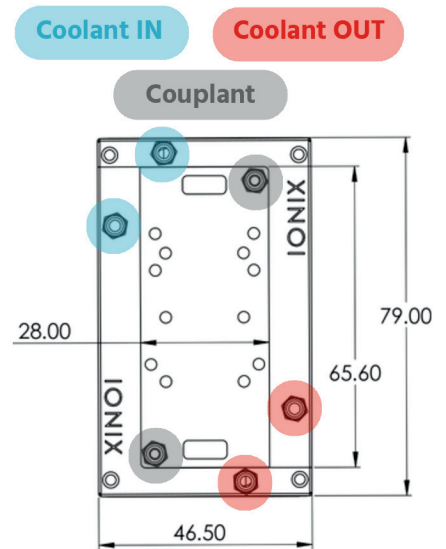
PARAMETER	VALUE	NOTES
<b>OPERATING PARAMETERS</b>		
Surface Temperature Range	-55 to +250 °C (-67 to +482°F) with compatible chiller* +/- 5 °C (+/- 41 °F)	
Linear Array Mounting	Fits type 10, 11, 12, 31, 32	16, 32 and 64e ( 0.6 mm pitch ) 32e ( 1 mm pitch )
Thickness Range	up to 25 mm in steel	
Wedge Velocity	2950 m/s at 20 °C (68 °F)	
Couplant	Ionix recommends silicone based pumpable fluids above 75 °C	
Profile	Flat as standard. O.D. profiles available	

## SYSTEM COMPATIBILITY

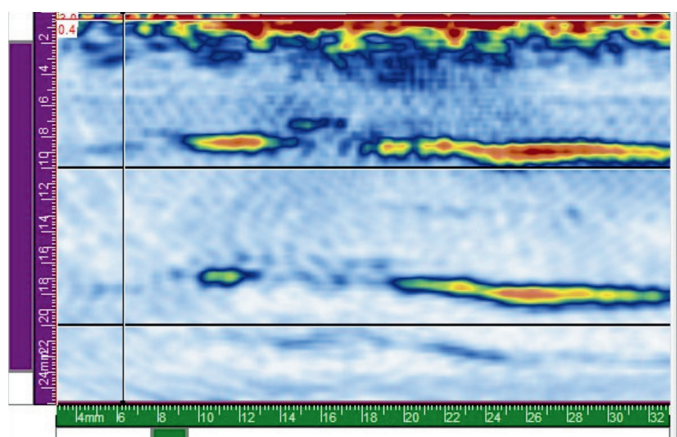
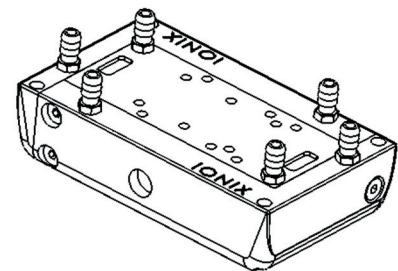
Cooling connections	M4 barbed nipples x 4 ( marked red ) with temperature resistant tubing included
Coupling connections	M4 barbed nipples x 2 with 0.5 m temperature resistant tubing included
Carbides	Stainless steel retractable pins
Tool post pins	Accepts 8 mm / 0.31" pivot pins
Umbilical protection	Temperature resistant sleeve available

\* Based on Ionix supplied chiller to maintain 70 °C probe temperature, for more information contact Ionix. indication only. Ionix does not accept liability for damage to probes.

## DIMENSIONS



Dimensions shown in mm



Contact Ionix to order, for further information or to find a solution for your application.



Want to discuss your demanding environment needs?

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