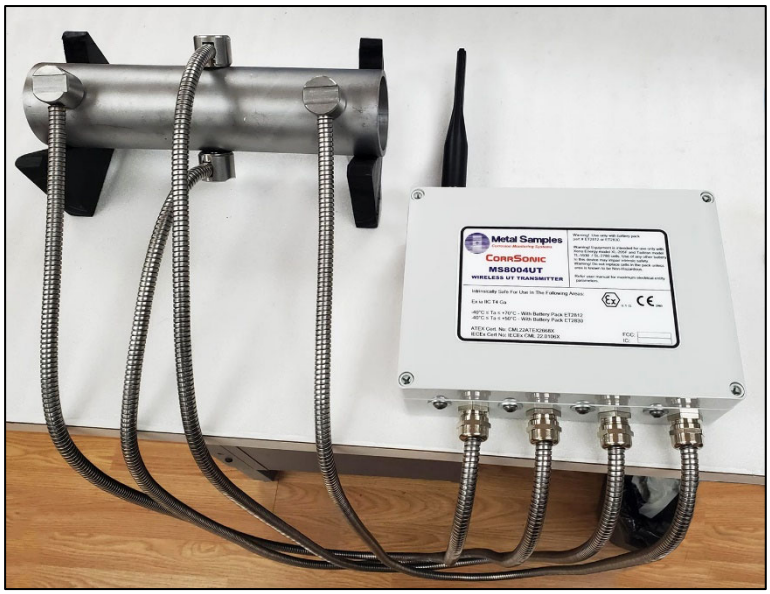
MS800X - CorrSonic (Multi-Channel)

Wireless Non-Intrusive Ultrasonic Corrosion/Erosion Monitoring Instrument

Metal Samples' CorrSonic is a non-intrusive ultrasonic corrosion/erosion monitoring instrument that uses WirelessHART protocol to communicate to SCADA or DCS systems. This multi-channel unit can use up to 4 sensors.

The CorrSonic has three options for wireless sensors: Thru-Coating, High Sensitivity Dual, or Ultra-High Temp Single.

The Thru-Coating option eliminates the need for coating removal. The High-Sensitivity Dual option offers precise thickness measurements. The Ultra-High Temp option has specialized coupling technology to monitor processes up to 932°F (500°C).



Technical Specifications

Model	
MS800XUT-HRT (X = number of channels – up to 4 sensors)	

Data	
Instrument Weight	5.9 lbs.
Instrument Dimensions	9.81" x 6.86" x 2.9" (249.17mm x 174.24mm x 73.66mm)
Output Signal	WirelessHART
Data Access	SCADA or DCS
Battery Life	3 years at 2 readings per day
Mounting	Band clamp, magnetic base, welded studs
Measurement Frequency	12 hours (default) or user configurable to every hour

Options			
	Thru-Coating	**High Sensitivity Dual**	**Ultra-High Temp**
Probe Surface Temperature	-20°F (-28°C) up to 275°F (135°C)	-20°F (-28°C) up to 275°F (135°C)	-40°F (-40°C) up to 932°F (500°C)
Measurement Range	0.125" to 1.00" (3-25 mm)	0.040" to 6" (1-150mm)	0.125" to 1.00" (3-25 mm)
Measurement Resolution	0.001" (0.025mm)	0.001" (0.025mm)	0.001" (0.025mm)
Minimum Pipe Diameter	2" NPS	2" NPS	2" NPS
Element(s)	Dual	Dual	Single (Delay line)
Element Diameter	0.375"(9.53mm)	0.375"(9.53mm)	0.375"(9.53mm)
Element Frequency	5 MHz	5 MHz	7 MHz

Hazardous Location Certifications	
Europe and Worldwide (ATEX and IECEx)	II 1 G Ex ia IIC T4 Ga Ambient range: With battery packs ET2812: - 40°C ≤ Ta ≤ + 70°C With battery packs ET2830: - 40°C ≤ Ta ≤ + 50°C ATEX Certificate No: **CML 22ATEX2668X** IECEx Certificate No: **IECEx CML 22.0106X**

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