



micro
PIMS[®]

Model Comparison



CORROSION & EROSION MONITORING UT SENSORS

Wireless corrosion & erosion monitoring technology enabling asset uptime, life extension, & process optimization to enable owner/operators to get the most from their critical infrastructure.

microPIMS are the industry standard when it comes to wireless corrosion/erosion and temperature monitoring for industries including: oil & gas (upstream, midstream, downstream), power generation, mining, and pulp & paper.

microPIMS systems & sensors can be purchased as fully cloud-based, on-premise, or as individual sensors for integration to existing customer wireless & IT infrastructure.



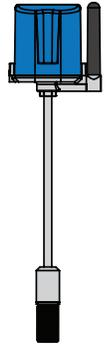
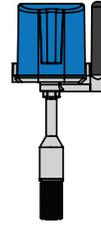
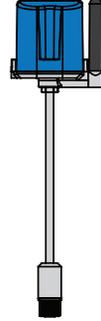
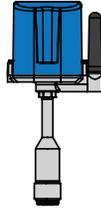
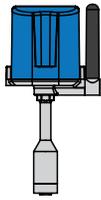
- Operates from -40°F/C to 950°F/500°C continuously
- Compatible with 900MHz/LoRaWAN or 2.4GHz/WirelessHART industrial wireless protocols
- ULCSA CIDI, A-D, T4 & ATEX Zone 0 Rated
- 10+ years battery life
- Permanent or temporary installation in under 10 minutes
- For 1"-36" piping or >36"-flat tanks, vessels, etc.



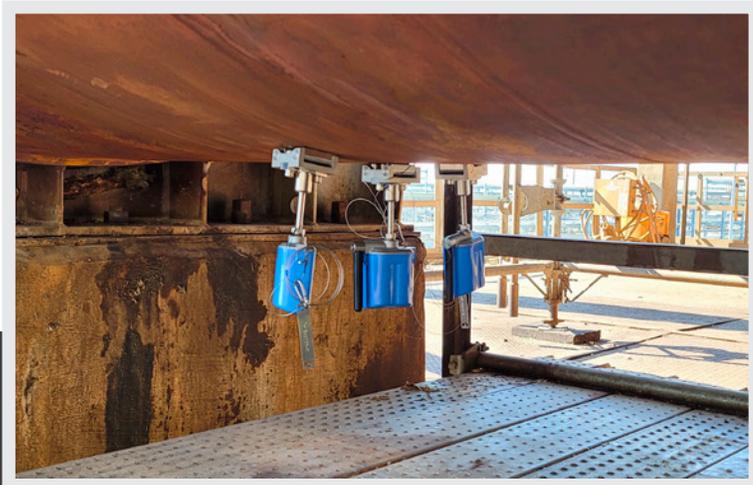
SENSOR
NETWORKS, INC

microPIMS Sensors

	LT Dual	HT Standard	UHT Standard	HT Extended Range	UHT Extended Range
Material	303 Stainless Steel	316 L Stainless Steel	316 L Stainless Steel	316 L Stainless Steel	316 L Stainless Steel
Length	8.85 in. (225mm)	9.42 in. (241mm)	15 in. (381mm)	10.24 in. (260mm)	16.25 in. (413mm)
Weight	1.28 lbs (580g)	1.28 lbs (580g)	1.94 lbs. (880g)	1.28 lbs. (580g)	1.94 lbs. (880g)
Thickness Range	0.04-4.0 in. (1-100 mm)	3-25 mm 0.10-1.0 in.	3-25 mm 0.10-1.0 in.	6-50 mm 0.25-2.0 in.	6-50 mm 0.25-2.0 in.
Temperature Range	-40 to 135°C -40 to 275°F	-40 to 150°C -40 to 300°F	-40 to 510°C -40 to 950°F	-40 to 150°C -40 to 300°F	-40 to 510°C -40 to 950°F
Installation Recommended	Magnetic clamps or band clamps	Clamps with bands or welded studs	Clamps with bands or welded studs	Clamps with bands or welded studs	Clamps with bands or welded studs
Couplant	Temporary or permanent (epoxy)	Metal foil	Metal foil	Metal foil	Metal foil
Primary Applications	Over 36" assets (tanks, spheres, vessels, etc.)	Piping from 1-36 in. (2.5-92cm)	Piping from 1-36 in. (5.1-91.4 cm)	Piping from 1-36 in. (5.1-91.4 cm)	Piping from 1-36 in. (5.1-91.4 cm)



microPIMS duals installed using magnetic clamps



microPIMS UHT installed using polymer band clamp



Attachment Methods

Clamp Type	Magnetic Clamp (optional band clamp)	Polymer Band Clamp	Legacy UHT Base	SS Band Clamp (Replacing Legacy UHT Base)	Stud Weld	1" Clamp	2" Clamp
Used For	LT microPIMS	HT microPIMS	HT microPIMS UHT microPIMS	HT microPIMS UHT microPIMS	HT microPIMS UHT microPIMS	HT microPIMS UHT microPIMS	HT microPIMS UHT microPIMS
Pipe Dia.	Over 36" (91.4 cm) assets (tanks, spheres, vessels, etc.)	3-36 in. (7.6-91.4 cm) Pipe Diameter	3-36 in. (7.6-91.4 cm) Pipe Diameter	3-36 in. (7.6-91.4 cm) Pipe Diameter	3-36 in. (7.6-91.4 cm) Pipe Diameter	1"	2"
Temp.	-40 to 135°C -40 to 275°F	-40 to 150°C -40 to 300°F	-40 to 510°C -40 to 950°F	-40 to 510°C -40 to 950°F	-40 to 510°C -40 to 950°F	-40 to 510°C -40 to 950°F	-40 to 510°C -40 to 950°F
Couplant	Epoxy or temporary couplant	Metal foil	Metal foil	Metal foil	Metal foil	Metal foil	Metal foil



▶ microPIMS UHT installed with band clamp under insulation



▶ Wireless gateway installed at facility

sensornetworksinc.com
366 Walker Drive - Suite 200
State College PA, 16801 USA

09.25.25
©2025 Eddyfi Canada Inc. All rights reserved.
microPIMS® is a registered trademark of Eddyfi Canada Inc.
microPIMS is covered by five U.S. patents.
LoRaWan® is a registered trademark of the LoRa Alliance.

 **Eddyfi
Technologies**
Remote Monitoring

 **SENSOR
NETWORKS, INC**