

In many situations, the cost of accessing a pipe is much higher than the cost of inspection. This access cost can make repeat inspections with removable rings prohibitively expensive. The environmentally robust gPIMS® (EX) range of sensors has been developed to be easily bonded to the pipe, sealed and then left in place. A cable connects the certified gPIMS® (EX) sensor interface which can be located in a convenient, easy to access location.

By performing repeat inspections and comparing the results to previous inspections, operators can monitor for any change in the condition of the pipe. Frequent data collection significantly improves sensitivity and reduces false call rates compared to conventional guided wave testing.



ATEX/IECEx



Environmentally Protected



Advanced Materials



Efficient installation



Smart Sensors



Low Profile



Ex Components:

Ex Sensor

A certified 16-channel gPIMS® (Ex) sensor in restricted areas where hazardous atmospheres may be present.

EX Interface

A certified gPIMS® (Ex) sensor interface for use with the gPIMS® (Ex), designed to allow collection via a non-certified Wavemaker® G4Mini (Fully Loaded), or gPIMS® Mini Collector.

Hazardous Area Certifications:

Ex Sensor

ATEX

Ex II 1 G Ex ia IIB T4...T3 Ga

IECEx

Ex ia IIB T4...T3 Ga

Ex Interface

Ex II (1) G [Ex ia Ga] IIB

[Ex ia Ga] IIB

Specifications:

Ex Sensor

Number of channels

16

Nominal Pipe Sizes

6" to 24"

Temperature Range

-40° to +130°C (-40°F to 266°F)

Radial Clearance

25mm (1")

Required Electronics

Wavemaker® G4,
G4Mini (Fully Loaded),
or gPIMS Mini Collector

Ex Interface

Number of channels

16

Operating Temperature

-20° to +60°C (-4°F to 140°F)

Required Electronics

Wavemaker® G4,
G4Mini (Fully Loaded),
or gPIMS Mini Collector