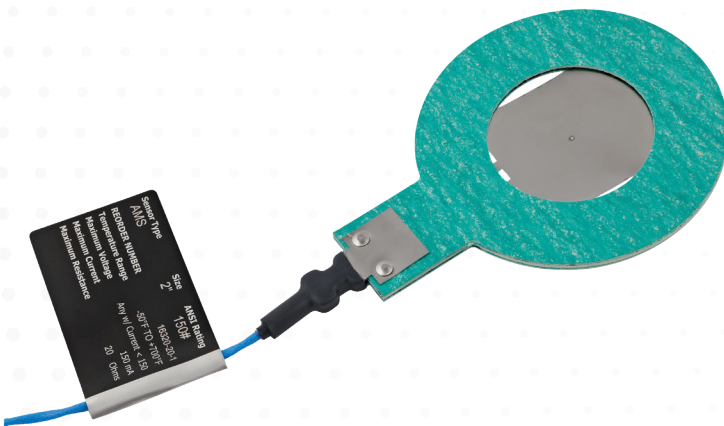


# AMS

## ALL METAL RUPTURE DISC SENSOR

**Robust burst detection for highly corrosive and high-temperature environments**



The AMS sensor has been designed to meet industry demands for a more corrosion-resistant and higher temperature sensor. This is achieved by using high-alloy, corrosion-resistant membranes, 316 Stainless Steel and strong cable connections with a shielded, insulated cable.

The AMS is installed on the vent side of the rupture disc assembly. Should the disc rupture, the flowing media opens the AMS circuit. The sensor can be connected to a variety of alarms or computer-controlled systems for fast recognition of failures, which is a critical safety feature for hazardous and environmentally sensitive processes.

**Supplied ready for installation**

**Superior chemical resistance**

**High temperature capability up to 1,400°F / 800°C**

**Can be connected to remote alarm systems**

**Immediate burst indication minimizes downtime**

**Let us help you with all  
your pressure relief questions.**

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# TECHNICAL SPECIFICATIONS



Size range	1"-24" / 25 - 600mm
Standard Materials	Gasket: Asbestos-free, synthetic Membrane & Circuit: 316 Stainless Steel
Optional Materials	Membrane & Circuit: Hastelloy C, Tantalum, others available on request Liners: TEF (temp. limit 200°C)
Temperature Range	Standard AMS: -50°F to 700°F / -45°C to 370°C High-temperature AMS: Up to 1,400°F / 800°C
Cable	24 AWG, 2 Conductor, Fluoropolymer insulation, Shielded
Cable length	6ft / 2m as standard (Up to 30ft / 10m available)
Maximum voltage	24V AC/DC
Maximum current	150 mA
Max. pre-burst resistance	20 Ohms
Additional options	AMSX: Additional back pressure support LAMSL: Additional Teflon liners for superior corrosion resistance HT-AMS: High-temperature capability up to 1,400°F / 800°C

REQUIRED BURST PRESSURES		
SIZE		MINIMUM BURST PRESSURE
DN (mm)	inches	psig / barg
25	1	5.0 / 0.4
40	1.5	5.0 / 0.4
50	2	5.0 / 0.4
80	3	3.0 / 0.3
100	4	2.0 / 0.2
150	6	4.0 / 0.3
200	8	1.0 / 0.07
250	10	1.0 / 0.07
300	12	1.0 / 0.07
350	14	1.0 / 0.07
400	16	0.75 / 0.06
450	18	0.75 / 0.06
500	20	0.75 / 0.06
600	24	0.75 / 0.06

## Certifications

ETL

## Related Products

### One Piece Unit

Oseco Safety  
Cartridge

### Holders

Insert holder

### Rupture Discs

FAS  
PRO+KRGL