

OE-TEL

NON-INVASIVE, REUSABLE BURST DETECTION SENSOR

Non-invasive, fail-safe burst detection *with the first ATEX* approved sensor for threaded rupture disc plugs



OE-Tel is a fail-safe magnetic detection system providing reliable burst detection for our range of rupture disc threaded plug units. It is the first ATEX approved detection system compatible with both stainless steel and brass plugs.

Operating on simple reed switch and magnet technology, the sensor and the magnet are both situated within the OE-Tel body. When the disc bursts, the magnet moves away from the reed switch, and breaks the electrical connection.

Being non-invasive to the process, OE-Tel is not affected by downstream pressure fluctuations or corrosion and there are no potential leak paths. With ATEX approval it can operate in all levels of potentially explosive atmosphere (Zones 0-2).

Non-invasive

Single-use device

Intrinsically safe

ATEX approved for all zones

Can connect to a remote telemetry system to minimise downtime

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

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TECHNICAL SPECIFICATIONS



Burst pressure range	< 100 barg (1,450 psig)
Temperature range	-55°C to 90°C (-67°F to 194°F)
IP rating	66
Product markings	II 1GD, Ex ia IIC T6 Ga II 1GD, Ex ia IIIC T135°C Da
Cable length	2m
Design Standards	Complies with EN 60079-0:2006, EN 60079-11:2007, EN 60079-26:2007, EN 61241-11:2006, EN 60079-0:2009

Values for intrinsically safe connection

$U_i = 30V$ dc
 $I_i = 300mA$
 $P_i = 550mW$
 $L_i = 0$
 $C_i = \text{Negligable}$

T6 (Ta = -40°C to +40°C)
T5 (Ta = -40°C to +55°C)
T4 (Ta = -40°C to +90°C)

Certifications

ATEX (CE)
UKEx (UKCA)
IECEX

Related Products

Rupture Discs

OE2
O4A
OE5
OE6