

FLO-TEL 2

NON-INVASIVE, REUSABLE BURST DETECTION SENSOR

Eliminate re-wiring costs with Flo-Tel, a non-invasive, practical and reusable solution for detecting when a rupture disc has functioned.



Operating on a simple reed switch and magnet technology, the Flo-Tel sensor fits into a holder with a magnet on the rupture disc. When the disc bursts, the magnet arcs away from the sensor, giving an open circuit signal.

Flo-Tel is non-invasive to the process and is therefore unaffected by downstream pressure fluctuations or corrosion. Using Flo-Tel eliminates leak paths and the risk of false alarms associated with traditional membrane-type detection systems. After rupturing, the disc is the only element that needs replacing, which eliminates the need for expensive re-wiring costs and maintenance planning.

Temperature -100°C to 300°C

IP rating 66

Cable lengths available 2m, 5m, 10m

Connection Flo-Tel must be connected to an intrinsically safe supply

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

UK office | North Shields
+44 (0)191 293 1234 | uksales@osecoelfab.com

US office | Broken Arrow
+1 (918) 258 5626 | info@osecoelfab.com

osecoelfab.com



TECHNICAL SPECIFICATIONS



| | |
|-------------------------|--|
| Temperature range | -100°C to 300°C (-148°F to 572°F) |
| IP rating | 66 |
| Product markings | II 1G Ex ia IIC Ga II 1D Ex ia IIIC Da |
| Cable lengths available | 2m, 5m, 10m |
| Connection | Flo-Tel must be connected to an intrinsically safe supply |
| Design Standards | Complies with EN IEC 60079-0:2018 and EN IEC 60079-11:2012 |

Values for intrinsically safe connection

$U_i = 28\text{V}$
 $I_i = 84\text{mA}$
 $P_i = 0.55\text{W}$
 $L_i = 4.1\mu\text{H}$
 $C_i = 3.64\text{nF}$

T6 (T85°C) ($t_a = -100^\circ\text{C}$ to 50°C)
T5 (T100°C) ($t_a = -100^\circ\text{C}$ to 90°C)
T4 (T135°C) ($t_a = -100^\circ\text{C}$ to 125°C)
T3 (T200°C) ($t_a = -100^\circ\text{C}$ to 190°C)

Maximum process temperature = $+300^\circ\text{C}$

Certifications

ATEX (CE)
UKEx (UKCA)
IECEX

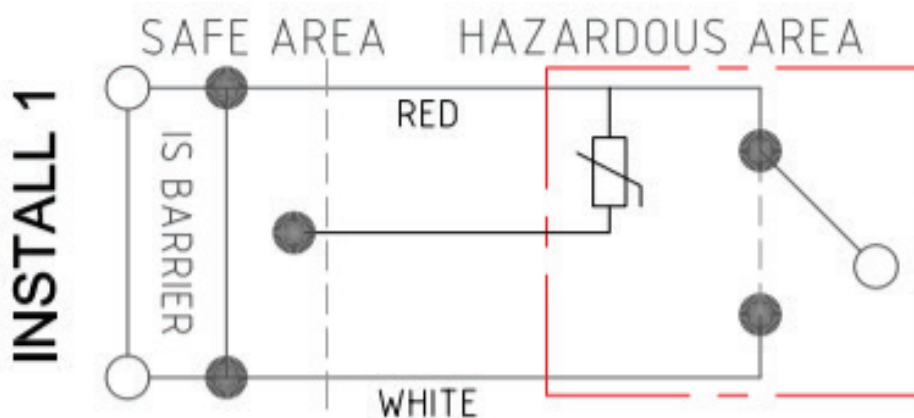
Related Products

Holders

REVERSE DISC HOLDER
FORWARD DISC HOLDER
OPR/OPK HOLDER

Sensors and Installation Tools

FLO-TEL XD
TEST-TEL



IS BARRIER: INSTALL 1

$U_i \leq 28V$

$I_i \leq 84mA$

$P_i \leq 0.55 W$

$C_i = 0$

$L_i = 0$

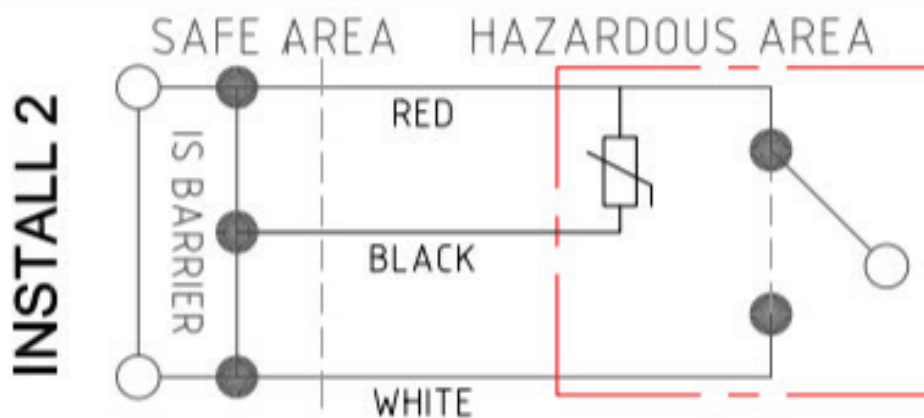
FT



T

+ 300°C

- 100°C



IS BARRIER: INSTALL 2

$U_i \leq 3.9V \text{ dc}$ $C_i = 0$

$I_i \leq 2mA$ $L_i = 0$

$P_i \leq 7.8mW$

FT

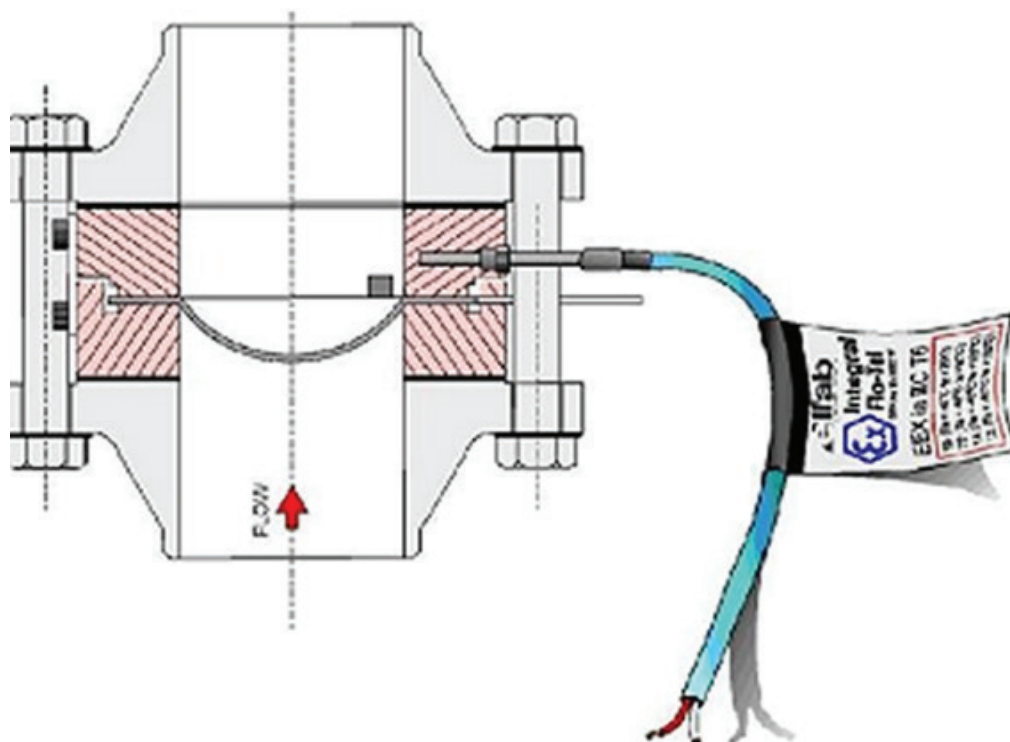


T

+ 300°C

- 100°C

Schematic Drawing



Cutaway image

