DATASHEET /
TECHNICAL SPECIFICATIONS

OsecoElfab

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	-100ºC to 300ºC (-148ºF to 572ºF)
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 = 28v
I_i = 84mA
P_i = 0.55W
L_i = 4.1µH
C_i = 3.64nF

T6 (T85ºC) (ta= -100ºC to 50ºC)
T5 (T100ºC) (ta= -100ºC to 90ºC)
T4 (T135ºC) (ta= -100ºC to 125ºC)
T3 (T200ºC) (ta= -100ºC to 190ºC)

Maximum process temperature = +300ºC

Certifications

ATEX (CE)
UKEx (UKCA)
IECEx

Related Products

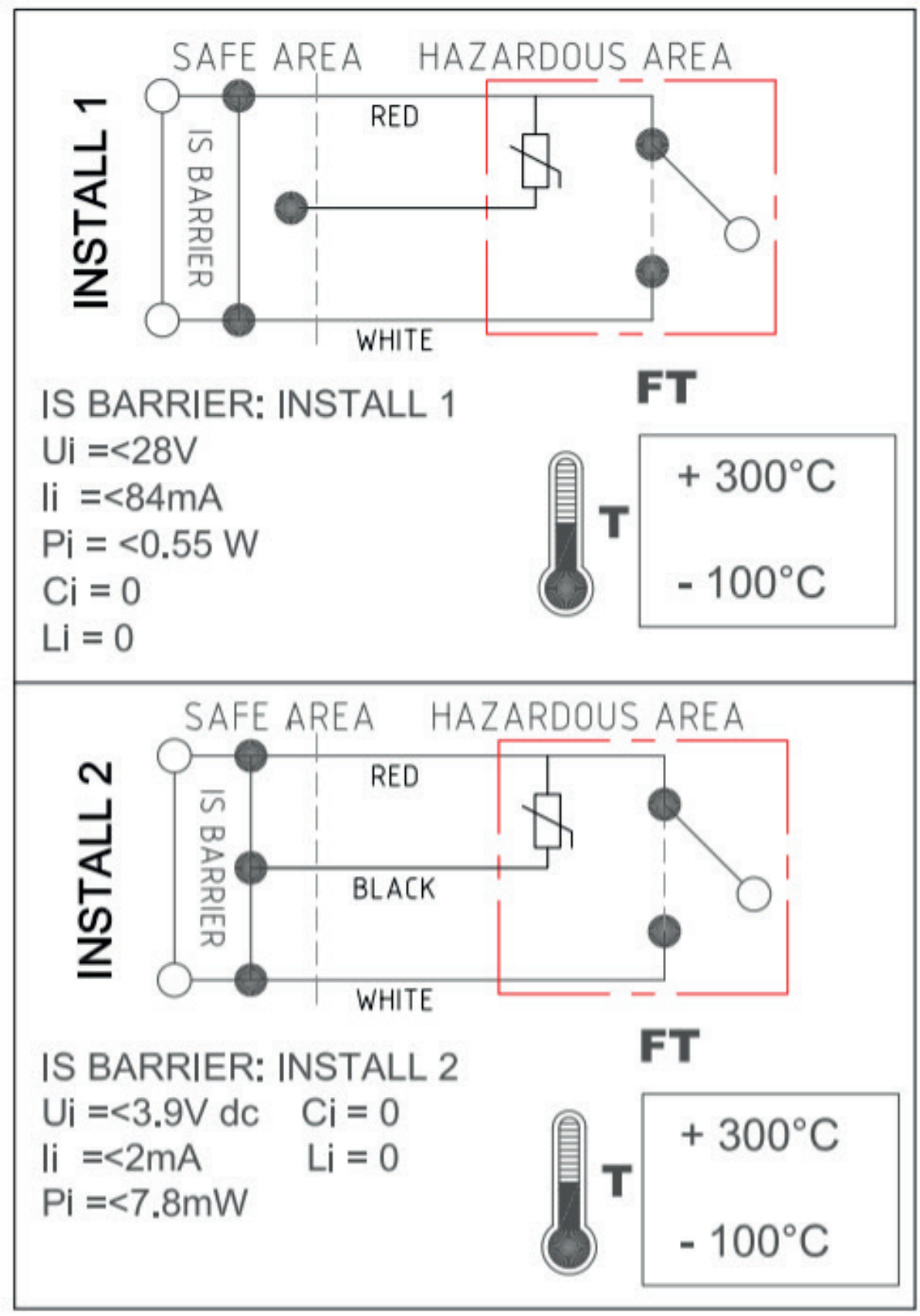
Holders

REVERSE DISC HOLDER
FORWARD DISC HOLDER
OPR/OPK HOLDER

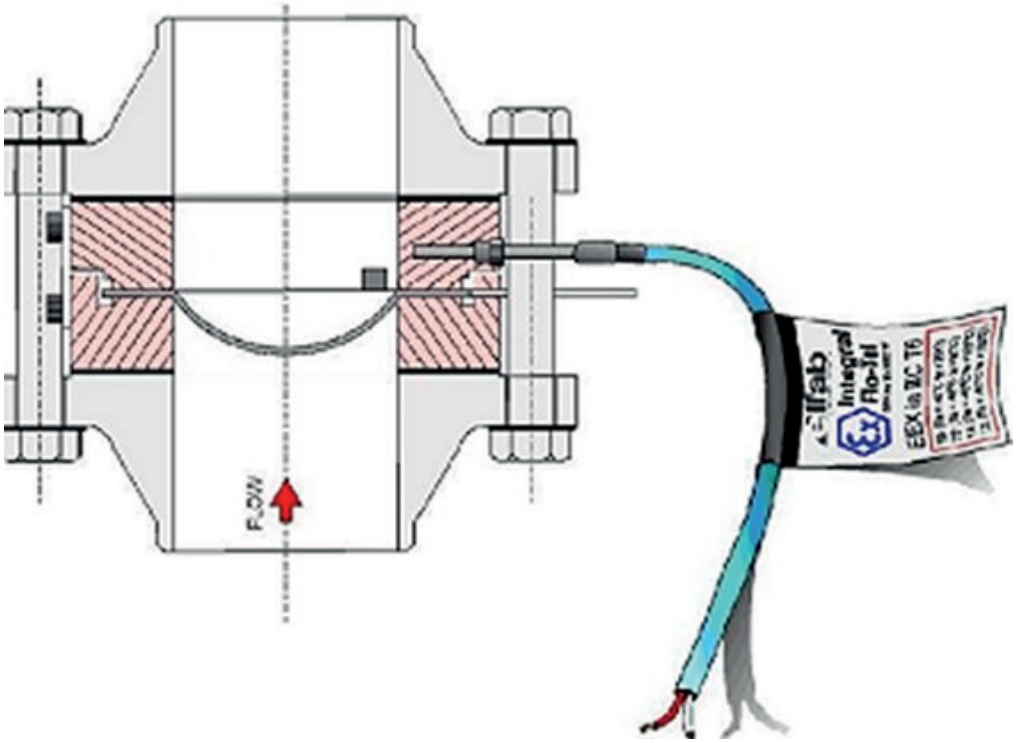
Sensors and Installation Tools

FLO-TEL XD
TEST-TEL

Flo-Tel label



Schematic Drawing



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