



Signal alarm for rupture discs

type IR2A



Advantages

- Faults are detected immediately
- Universally applicable
- Use in hazardous areas
- Max. operating temperature: -20 °C to +300 °C
- Special design for clamp application
- Can be combined with almost all rupture discs
- IP 67
- ATEX, IECEX, EAC



Applications

Completion of the rupture disc installation to immediately signal the activation of the rupture disc.

Description

The IR2A signal transmitter is a simple and effective instrument for recording the bursting of a rupture disc.

The IR2A signal transmitter is applied directly to the rupture disc (see illustration). A special version for clamp applications is also available.

The cables of the signal transmitter must be connected to the safety system of the plant by means of an intrinsically safe barrier that complies with the electrical characteristics of the sensor (max. voltage 24 VDC, max. current 50 mA) and the classification of the area.

The signal indicator consists of a simple electrical sensor mounted on an actuator on a stainless steel ring.

When the rupture disc is triggered, the conductor track of the IR2A signal transmitter is opened and the circuit is interrupted so that the connected devices can report that the rupture disc has opened.

Further information is available at:

www.schwing-pmt.de



Signal alarm for rupture discs

type IR2A



Technical Data

The IR2A sensor is classified as a 'simple electrical component' and complies with European Directive 94/9/EC (ATEX). The zone in which the IR2E sensor can be installed depends on the type of barrier:

- Ex ia barrier -> zone 0; 20; 1; 21; 2; 22
- Ex ib barrier -> zone 1; 21; 2; 22

Installation must be according to standard EN 60079-14

model	IR2A
operating temperature	from -20 °C to +300 °C (depending on seal)
membrane	Polyimid (Kapton®)
circuit board	Copper and Kapton coated
max. supply voltage	24 V DC
max. supply current	50 mA
cable	standard, 2 m