



ISH – Ionisation Level Sensor

 **Certificate: ATEX**



Technical Parameters:

Model	I M2 Ex de I
Supply voltage	230 V/AC
Power input	5 W
Ambient temperature	0°C - +40°C
Relative humidity	maximum of 95%
Protection	IP 54
Dimensions	300 x 240 x 136 mm
Weight	5.5 kg

Use:

A ionisation level sensor is designed for a single-point threshold level check of bulk or liquid substances in tanks, shut-off valve limit positions (a skip vessel) monitoring and signalling end positions of transport devices and other applications in heavy industrial plants.

Popis:

The device is constructed in a firm closure as a secured model. The device consists of a non-explosive electronics case. This non-explosive case is composed of two non-explosive closures. The device closures is an Ex d I model, the terminal closure is an Ex e I model. The spaces of non-explosive closures are connected by multiple non-explosive lead-in insulators of PD type.

The apparatus area houses a printed board of the sensor electronics. The ionisation sensor indicates a beam of ionizing radiation coming from a source of radiation which is a radionuclide radiation source (e.g. cobalt Co60). This is placed in a protective shield cover with a lead filling. When a certain set checked material level is reached in the reservoir, the radiating beam is shadowed by the material and this status is indicated by ISH sensor by switching a relay output or sending voltage pulses for further processing.

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.