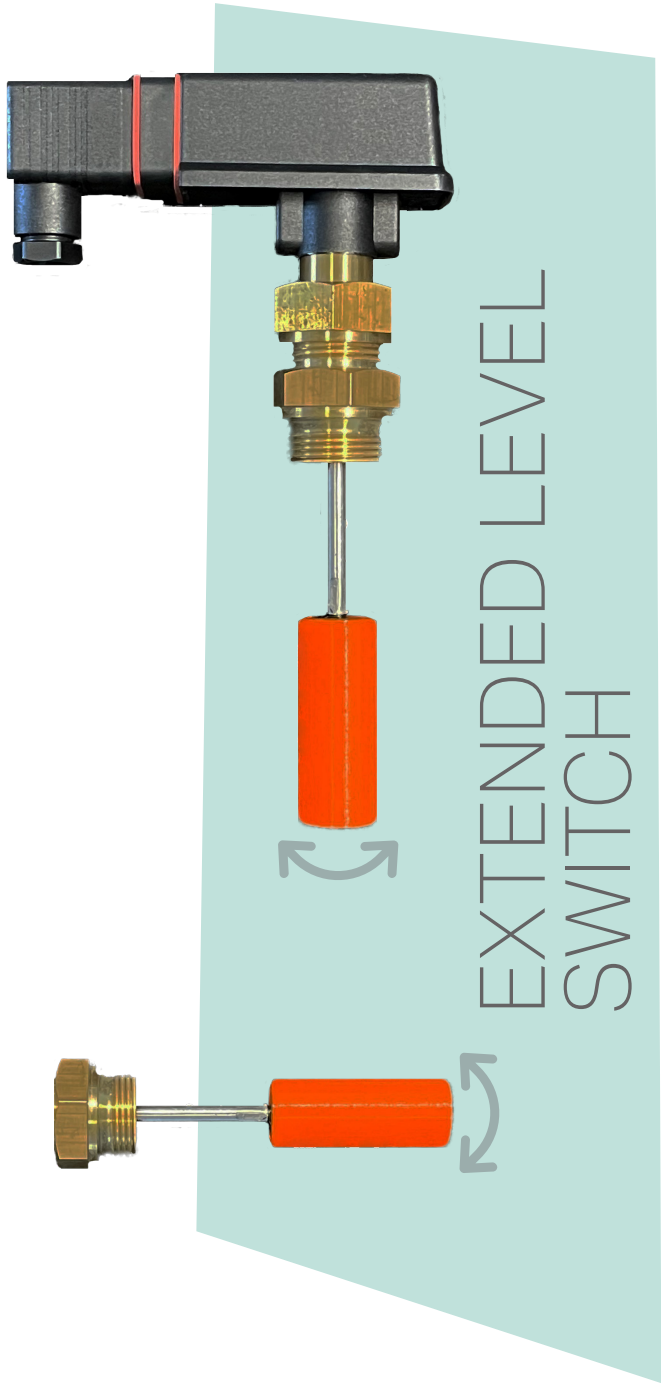
DATASHEET

TUVO INSTRUMENTS

APPLICATIONS

- Run dry protection
- Spill protection
- Leakage monitoring



SPECIFICATIONS

Insert	Custom length
Floater	Max. wide 23mm
Material	Brass, Stainless Steel
Switching function	Contact opens with falling level (reversing possible)
Nominal pressure	PN 25
Medium temperature	Max. 110 °C
Ambient temperature	-25...80 °C
Electrical connection	Plug connector EN 175301-803-A incl. cable socket
Max. switching volt.	230 VAC, 48 VDC
Max. rating	26 VA, 20 W
Degree of protection	IP65

DESCRIPTION

The TUVO Instruments extended level switch is a secure and reliable solution for monitoring fluid levels. The extended level switch is installed at the side using G¾ or G½ thread sizes.

The time-tested float principle and a potential-free contact as the signalling transmitter guarantee a high level of operational safety. The extended level switch can be customized up to the customer's wishes. By this unique feature of the extended floater, longer distances can be reached within the process or in a tank or basin.

The floater is 3D printed so fully customisable to the customer's needs.

The rising level in the tank forces the float up. Via paddle system, the magnet changes its position relative to Reed contact and actuates it.

The repulsion between the two homopolar magnets and supports the buoyancy. As soon as the level sinks again, the float follows also, and the magnet actuates the Reed contact again.

Works adjusted switching function

Contact makes with a rising level
Contact opens with a falling level