

General Description

KSR Suspended Float Switches type MS 1 und M 2 are especially suited for use in waste water treatment plants and pumping stations. Their main application is with heavily soiled liquids e.g. raw sewage.

Mode of Operation

KSR Suspended Float Switches will be mounted hanging from the top via a highly flexible cable. They contain a micro-switch in a dual sealed chamber system, which makes it shock- and water-proof. If the float is immersed in liquid, the float ball tilts and activates the micro-switch. Type MS 1 has an additional built-in weight that makes it suitable for liquids with large particles. Each switch point requires its own KSR Suspended Float Switch. The contact is of SPDT type and can thus be used as high or low alarm.

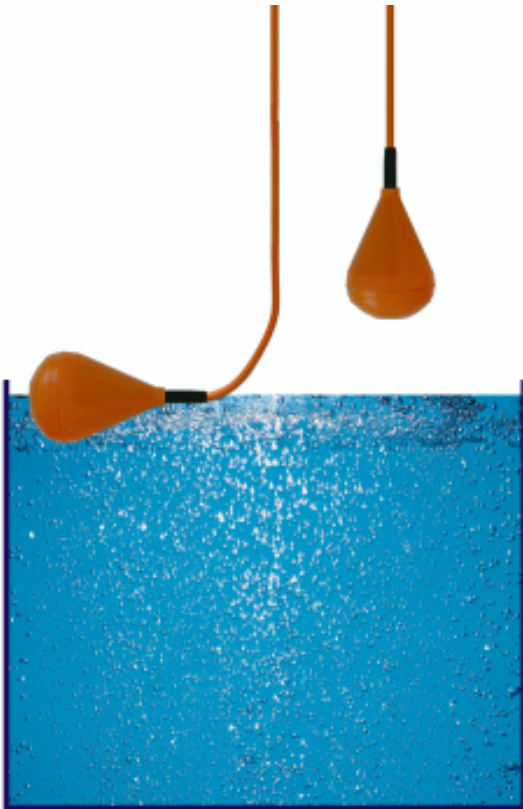
Due to the patented central position of the micro-switch, the KSR Suspended Float Switch will be functional independent from the side to which the float ball turns.

Features

For waste water, sewage and heavily soiled liquids.

- environmentally friendly, mercury- and lead-free
- PP housing
- high mechanical and electrical durability of micro-switch
- suitable for use in hazardous areas
Ex zone 0, 1, and 2

1009-1



M 2



MS 1

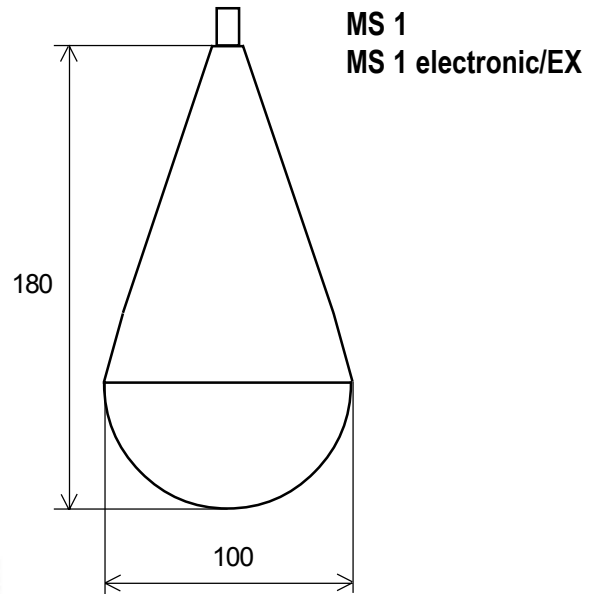
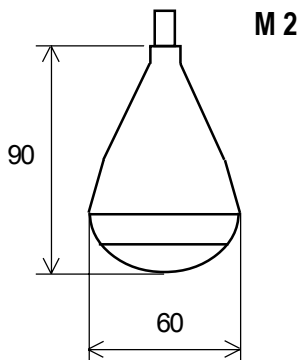


MS 1 electronic/Ex



KSR Suspended Float Switches

CE



1009-1

Technical Data

	M 2	MS 1	MS 1 electronic/EX
S.G.	950 - 1050 kg/m ³	950 - 1050 kg/m ³	950 - 1050 kg/m ³
Max. Temperature	80°C	80°C	80°C
Switch rating	2A / 250V	5A / 250V	1 - 100mA / 4 - 40V
Housing	PP	PP	PP PRE-ELEC (anti-static)
Colour	orange	orange	black
Ingress protection	IP 68	IP 68	IP 68
Cable	PUR/PVC orange	PUR/PVC orange	TPK/PVC blue
Cable size	3 x 0,5 mm ²	3 x 1,0 mm ²	3 x 0,75 mm ²
Cable length	5 / 10 / 20 m	5 / 10 / 20 m	5 / 10 / 20 m
Approval	-	-	II 1G EEx ia IIC T6 SNCH 01 ATEX 3249



KSR KUEBLER Niveau-Messtechnik AG
D-69439 Zwingenberg
Tel: +49(0)6263/87-0 Fax: +49(0)6263/87-99
info@ksr-kuebler.com
http://www.ksr-kuebler.com
KUBLER FRANCE S.A.
F-68700 Cernay

KSR KUEBLER (UK)
Level Measurement & Control Ltd.
GB-Molesey, Surrey, KT8 1QZ

KSR KUEBLER (SINGAPORE)
Level Measurement & Control Pte Ltd
SGP-Singapore 608609

KSR KUEBLER (USA)
Level Control Products of America, Inc.
Charlotte, NC 28273

SHANGHAI KSR-KUEBLER
Automation Instrument Co. Ltd
Shanghai/China