AQ Level Switch
AQ Level Sensor

Continuously monitores liquid levels

AQ Level Switch operates without direct contact with liquid. It monitores the level in a container using soundwaves.The soundwaves register the presence of gas or liquid in the container and the results are displayed on a external control unit.

■ Design

AQ Level Switch is compact and without any contact with the process media it monitores.

The AQ Level Switch is shaped to fit a round or a flat container. There are different sizes to fit different outer diameters. The AQ Level Switch comes in three different models LS-model for Ex enviroments, KS-model for compact and high temperature envoirements and RS-model when liquid properties changes during operation.

■ Usability

AQ Level Switch can be attached on steel, glas or plastic containers and is also availble in ATEX certified model.

The AQ Level Switch monitors a single level in a container. The most common application is guard for minimum and maximum level.
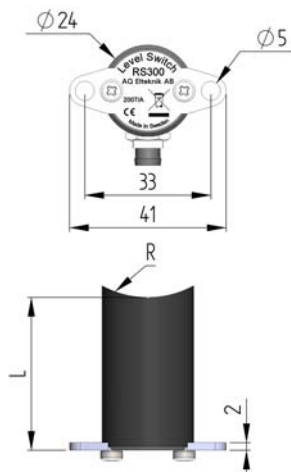
The AQ Level Sensor monitor the analog liquid level inside a container by transmitting soundwaves from the bottom of the container to the liquid surface without contact with the process media.
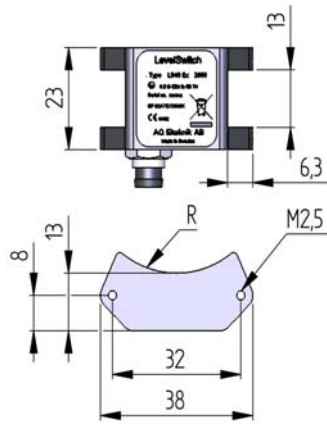
■ Reliable and flexible

The Level Switch or Level Sensor is easy to install since there is no need for making holes in the container. It is easily attached to the outside of the container using glue, clamps or wires. Level Switch / Sensor connects to a control unit Ultrasound Controller D72 or DP72.
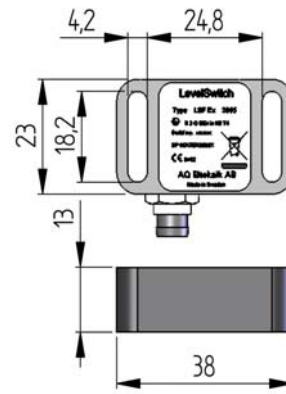
AQ Elteknik AB

Level Switch RS and KS-model

Level Switch LS-model

Level Sensor LSF-model

AQ Level Switch, LS- model, POM-H plastic

Model number	LS46 Ex	LS49 Ex	LS53 Ex	LS65 Ex	LS75 Ex	LS85 Ex	LS100 Ex
Fit container diameter	44-48mm	47-52mm	50-56mm	60-71mm	69-80mm	79-93mm	91-108mm

Model number	LS115 Ex	LS135 Ex	LS165 Ex	LS200 Ex	LS300 Ex	LSF Ex
Fit container diameter	106-126mm	123-150mm	146-183mm	179-245mm	235-400mm	flat container

Container continous temperature	-15°C to 60°C
Container temporary temperature	130°C
Standard cable length	7m. Option: 20m
Option	Ex model, SP05ATEX3630X, II2G EEx ia IIB T4

AQ Level Switch, RS- model, L = 40mm, PEI plastic

Model number	RS34	RS37	RS42	RS46	RS53	RS65	RS75
Fit container diameter	32-36mm	36-39mm	40-44mm	44-49mm	49-59mm	59-70mm	70-80

Model number	RS85	RS115	RS165	RS250	RS600	RSI
Fit container diameter	80-98mm	98-135mm	135-200mm	200-350mm	350-1200mm	flat cor

Container continous temperature	-20°C to 170°C
Container temporary temperature	200°C
Standard cable length	7m. Option: 20m

AQ Level Switch, KS- model, L = 20mm, PEI plastic

Model number	KS46	KS49	KS53	KS65	KS75	KS85	KS100
Fit container diameter	44-48mm	47-52mm	50-56mm	60-71mm	69-80mm	79-93mm	91-108mm

Model number	KS115	KS135	KS165	KS200	KS300	KSF
Fit container diameter	106-126mm	123-150mm	146-183mm	179-245mm	235-400mm	flat container

Container continous temperature	-20°C to 170°C
Container temporary temperature	200°C
Standard cable length	7m. Option: 20m

Control Unit
Model number	Ultrasound Controller D72 or DP72 (see datasheet)