

KNX Level Measuring System

S8 - Physical and Chemical Measurement

SK80-F Ultrasonic | Hydrostatic

For Water and Heating Oil



SK80-F

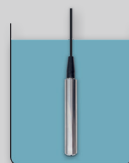
Fill Level Sensor System
Water | Oil

KNX Fill Level Meter SK80-F

The KNX level measuring system SK80-F measures and regulates the filling and water levels from water cisterns or oil tanks of different shapes with KNX connection. The KNX measuring system includes an ultrasound or hydrostatic sensor and the KNX coupler with integrated display.

Hydrostatic Measurement

The height of the fill level in a cistern container can be comfortably determined via liquid pressure. The hydrostatic pressure probe is placed at the bottom of the cistern and relays the liquid pressure to the display and control unit. The pressure increases proportionally with the height of the liquid level above the pressure probe and can be measured with centimeter precision. The measurement is also independent of foam, turbulence, or tank installations.



highly efficient
and reliable

SK80-F Hydrostatic

For Water



For Heating Oil



Max
5 m

SK80-F-PM-5
Max. fill level: 5 m
Cable length: 10 m
Article: 30807205

SK80-F-T-PM-5
Max. fill level: 5 m
Temperature sensor
Cable length: 10 m
Article: 30807305

SK80-F-T-PMO-5
Max. fill level: 5 m
Temperature sensor
Cable length: 10 m
Article: 30807370

Max
10 m



Incl. Temperature
Detection

SK80-F-T-PM-10
Max. fill level: 10 m
Temperature sensor
Cable length: 15 m
Article: 30807310

SK80-F-T-PMO-10
Max. fill level: 10 m
Temperature sensor
Cable length: 15 m
Article: 30807380

Ultrasonic Measurement

The ultrasonic level sensor does not come into contact with the liquid being measured, reducing the risk of contamination and damage to the sensor.

Ultrasonic measurement is based on time-of-flight. The ultrasonic pulses emitted by the sensor are reflected from the surface of the medium and then detected by the sensor.

The required time of flight is a measure of the distance traveled in the empty part of the container.

This value is subtracted from the total container height to obtain the level.



contactless measurement

SK80-F Ultrasonic

For Heating Oil | Water



Max
Fill Level
5 m

SK80-F-U-5
Max. fill level: 5 m
Cable length: 10 m
Article: 30807105

No KNX system in place?

Our Fill Level Sensor is also available as stand-alone device. Look for SK80-FN on our Website

www.arcus-eds.de



Notes



Bilder: © Studio Harmony/stockadobe.com

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