





Operating Instructions wms ultrasonic sensor

wms-25/RT/HV/M18 wms-35 wms-130/RT

wms-600/RT

Product description

The wms sensors require a connection to the customer's own control and signal evaluation equipment.

Important instructions for assembly and application

All employee and plant safety-relevant measures must be taken prior to assembly, start-up, or maintenance work (see opera-

tion manual for the entire plant and the operator instruction of the plant)

The sensors are not considered as safety equipment and may not be used to ensure human or machine safety!

The wms sensors indicate a blind zone, in which the distance cannot be measured. The operating range indicates the distance of the sensor that can be applied with normal reflectors with sufficient function reserve. When using good reflectors, such as a calm water surface, the sensor can also be used up to its maximum range. Objects that strongly absorb (e.g. plastic foam) or diffusely reflect sound (e.g. pebble stones) can also reduce Fig.2: Pin assignment with view onto the sensor the defined operating range.

Assembly instructions

- connector
- Connect the sensor to your own control given in the technical data table below. and signal evaluation equipment according to Fig.2.

2 • • 1 3 • • 4		colour
1	+U _B	brown
3	-U _B	blue
4	Echo	black
2	Transmitter	white

plug and colour code of the connection cable

Signal input »Transmitter«

- Assemble the sensor at the installation lo- A signal on the input makes the wms sensor emitting a sound pulse. For this a - Plug in the connector cable to the M 12 open collector output has to earth the »transmitter« signal input for the time

Signal output »Echo«

The signal output »Echo« subsequently transmitts all echo signals received depending on the duration as 1-bit values (echo yes/no).

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