

Guided microwave LRDG-20

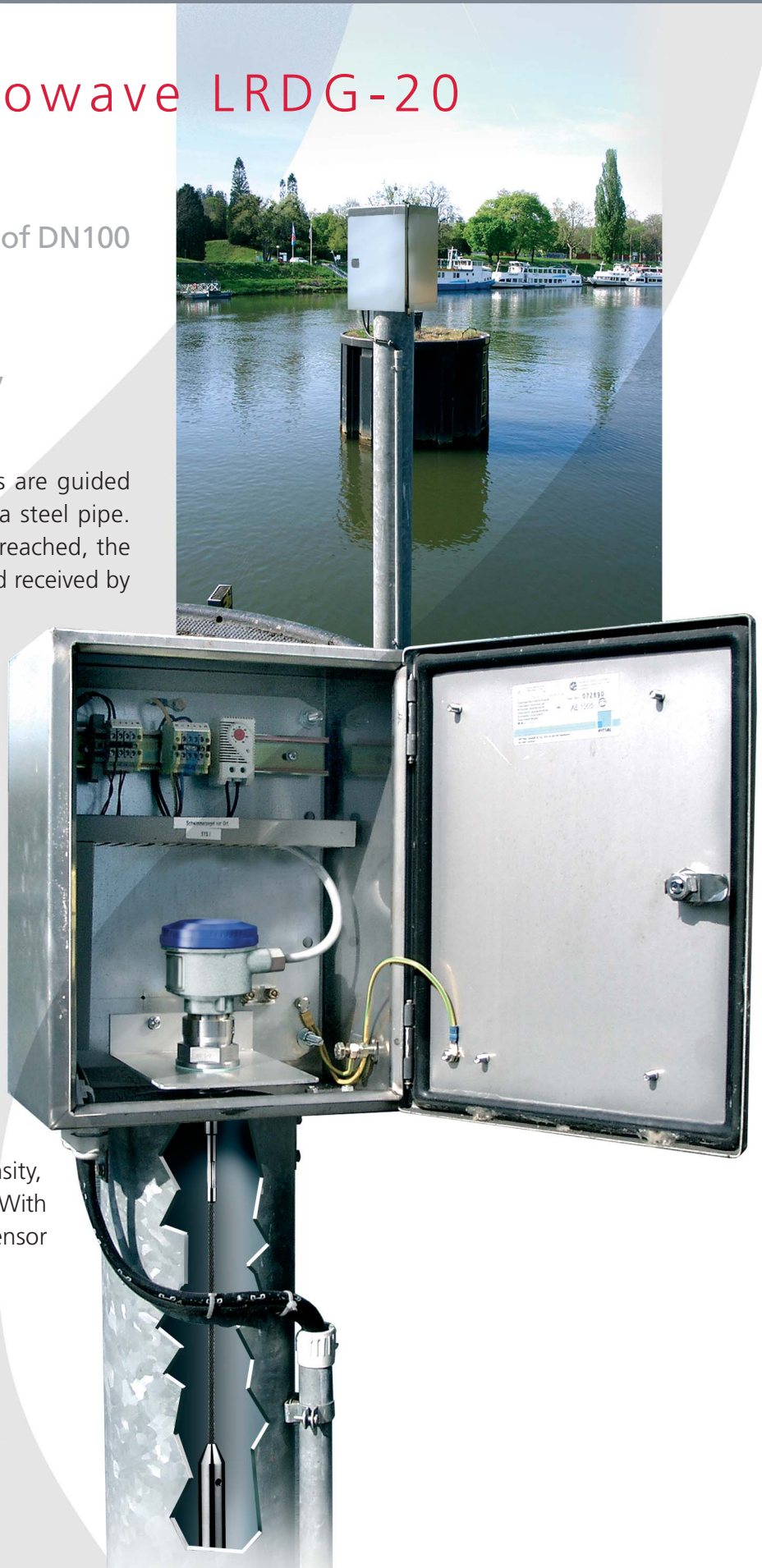
Cable-guided microwave
Measurements in pipes as of DN100
Sludge-resistant
Accuracy +/-5 mm
Communication 4-20 mA,
Hart, PROFIBUS

High frequency microwave pulses are guided along a steel cable or rod inside a steel pipe. When the surface of the liquid is reached, the microwave pulses are reflected and received by the evaluation electronics.

The signal delay is calculated by the device. A microprocessor identifies these fill level echoes that are measured, evaluated and converted to fill level information by ECHOFOX software.

Time-consuming calibration is unnecessary. The devices are pre-calibrated to the ordered probe length. The cable and rod versions that can be shortened have the advantage that they can be adapted to suit the conditions on site. Sludge and flotsam do not influence the measurement.

The measurement is not dependent on product properties such as density, temperature, foam or attachments. With a measuring range of 32 m, the sensor is suitable for deep wells.



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Technical specifications

Measuring ranges	0-32 m
Interface	4-20 mA, Hart, PROFIBUS
Measuring accuracy	+/- 5 mm
Housing	Aluminum painted
Housing dimensions	Ø 80 mm, height 120 mm, threaded connector 3/4"
Guide	Exchangeable cable Ø 4 mm, rod Ø 6 mm
Configuration	Via display or Hart protocol
Display	LCD optional
Power supply	12-24 V
Temperature range	-40 to +150 °C