



## Features

The sensor for sea water temperature (8282) is used together with the weld-in plunger and is designed for measuring the surrounding water temperature of ships, oil rigs etc.

### Sensor for Sea Water Temperature

Id-No. 00.08282.100 000

### Weld-in plunger

Id-No. 00.08282.200 000

## Measuring principle

Platinum resistor Pt 100 acc. to DIN IEC 751.

## Installation

The installation can be carried out i. e. at a water case and is done by welding the weld-in plunger (closed V4A-pipe with flange) into the hull.

After filling the pipe with a special heat conductive paste the proper sensor is inserted and bolted together. As measuring sensor a glass-sealed platinum resistor Pt 100 Ohms is inserted, which is connected in 4-wire-circuit. The sensor is located in a closed V4A-shaft and connected by a heat conductive powder. The housing for the cable entry, bolted together with the shaft, consists of red bronze and is furnished with a sealed cover and a cable gland PG 9. The terminal strip is located in the housing.

## Maintenance

The sensor is maintenance-free

## Technical data

Sensor:	Pt 100 acc. to DIN 60751 B, 1/3 tolerance
Range of application:	temperatures -30 °C...+70 °C
Dimensions:	see dimensional drawing, page 2
Weight:	approx. 0.21 kg (sensor) approx. 0.35 kg (weld-in plunger)
Protection class:	IP 66

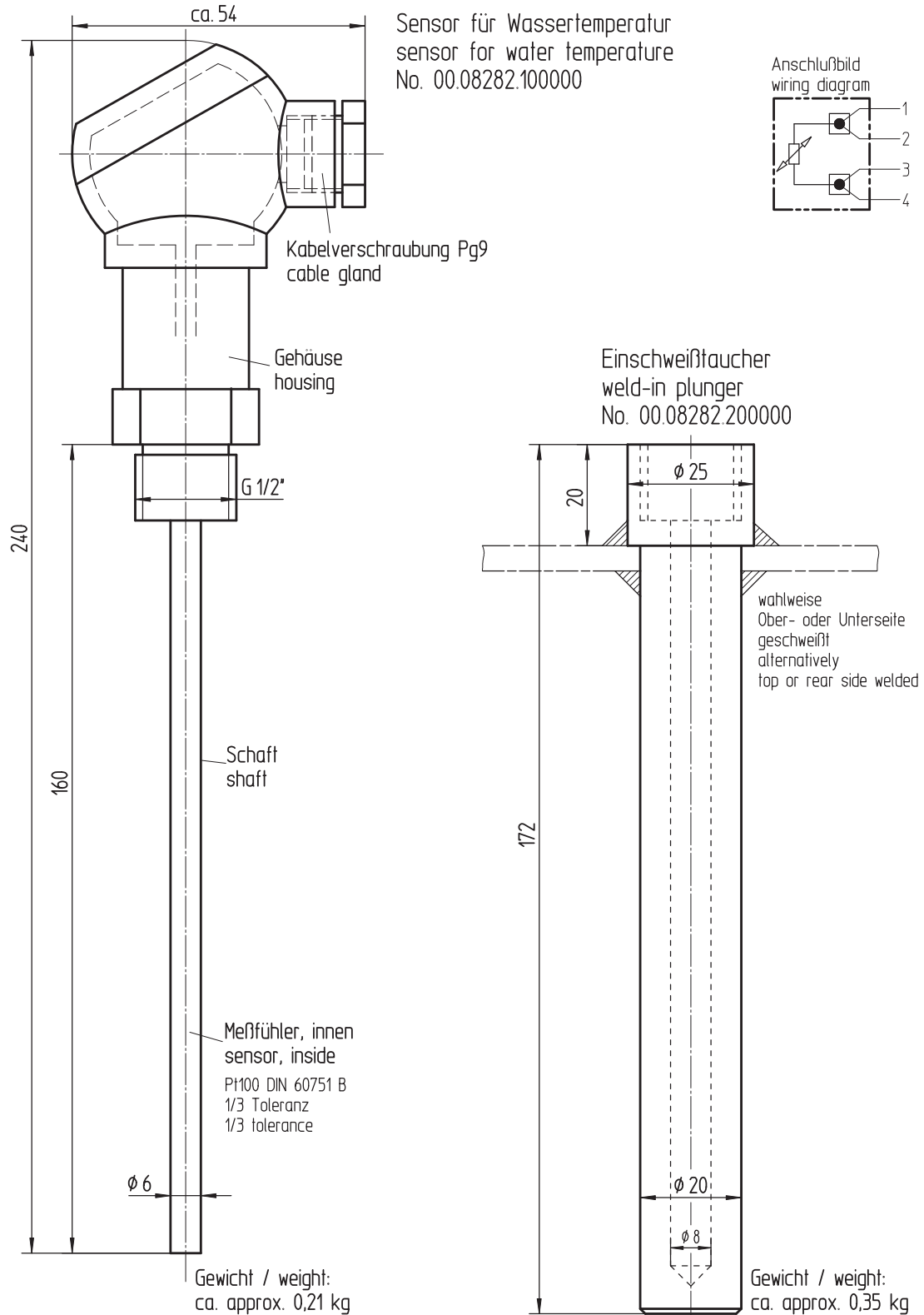
## Warranty

**Please note the loss of warranty and non-liability by unauthorized manipulation of the system. You need a written permission of the LAMBRECHT meteo GmbH for changes of system components. These activities must be operated by a qualified technician.**

### The warranty does not cover:

1. Mechanical damages caused by external impacts (e. g. icefall, rockfall, vandalism).
2. Impacts or damages caused by over-voltages or electromagnetic fields which are beyond the standards and specifications in the technical data.
3. Damages caused by improper handling, e. g. by wrong tools, incorrect installation, incorrect electrical installation (false polarity) etc.
4. Damages which are caused by using the device beyond the specified operation conditions.

## Dimensional drawings and connection diagram



Subject to change without notice.

08282\_b-de.indd 12.21