

GENO-therm analysis case

Intended use

The GENO-therm analysis case is designed to determine the parameters of heating or boiler water.

According to VDI 2035 and DIN EN 14868, heating water must comply with certain water parameters, in order not to have a corrosive effect or promote furring. Furring has an adverse effect on the efficiency of the heating system. Corrosion can attack the entire heating system, which might require the replacement of individual or several parts of the system.

If additives (such as GENO-safe A) are added to the system, the respective parameters can be determined with the measuring equipment below.

- By means of the Combined measuring device, the pH value and the conductivity can be determined. Both measurements are temperature-compensated (up to 60 °C), so cooling to 20 °C is not required.
- With the water test kit for total hardness or the water test kit for hardness determination (0 - 2 °dH), the water's degree of hardness can be measured. A low hardness value prevents furring.
- With the water test kit for molybdenum, the molybdenum concentration in the water is determined.

Function

With the content of the GENO-therm analysis case, the parameters below can be determined:

- pH
- LF (Cond = conductivity)
- TDS (Total sum of dissolved solids)
- Temperature
- Salt concentration
- Total hardness
- Molybdenum

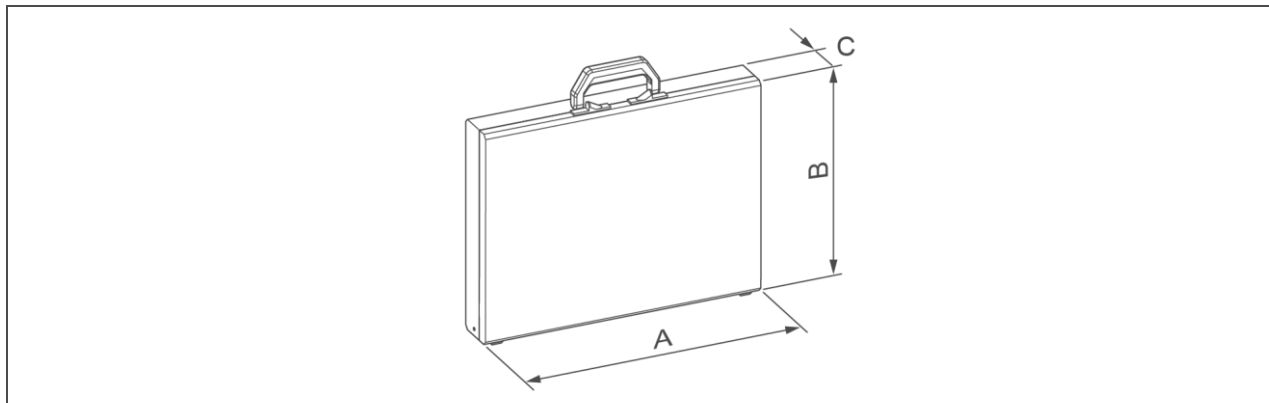
All parameters can be measured in any kind of water. If suspended particles are contained in the water, the sample must be filtered with suitable filter paper prior to the measurement.

Scope of supply

- Sturdy Sortimo case (suitable for Sortimo in-vehicle equipment)
- Combined measuring device with accessories
 - 2x AAA batteries 1.5 V
 - 5x O-ring for sensor cap
- Calibration solutions
 - 2x pH 4
 - 2x pH 7
 - Conductivity LF 1413 µS/cm
- Potassium chloride solution KCL
- 3x measuring beaker, 50 ml

- Water test kit for total hardness
- Water test kit for hardness determination (0 – 2 °dH)
- Water test kit for molybdenum (not included in the scope of supply of 707 192)
- Operation manual of analysis case
- Operation manual of Combined measuring device for pH and conductivity
- Quick reference manual of Combined measuring device for pH and conductivity

Technical specifications



Dimensions and weights			With molybdenum	Without molybdenum
A	Width	mm	440	
B	Height	mm	330	
C	Depth	mm	66	
Shipping weight, approx.		kg	4.2	
Order no.			707 190	707 192

Accessories

Griffin beaker VIT-LAB, 50 ml

Order no. 888 02 315

3 pcs. as measuring beaker, made of PP

O-ring

Order no. 870 03 021

To seal the sensor cap

Replacement combined electrode

Order no. 100066020001

Carbon filter paper

Order no. 888 09 011

100 sheets, round filter, type 508, 110 mm

PE funnel

Order no. 888 06 006

As all-purpose funnel, transparent

Consumables

Calibration solution pH 4

Order no. 203 627

Calibration solution pH 7

Order no. 203 628

Calibration solution Conductivity

LF 1413 µS/cm

Order no. 203 624

Potassium chloride solution KCL

3 mol/l

Order no. 203 631

As storage solution for the electrode

Water test kit for total hardness

Order no. 170 187

To determine the total hardness in °dH or °f

Water test kit for hardness

determination (0 – 2 °dH)

Order no. 170 149

To determine the total hardness in soft water

Water test kit for molybdenum

Order no. 170 140

To determine the molybdenum concentration

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