



Fig. 1: GENO-therm® analyses case

GENO-therm® analyses case

Designated application

The GENO-therm® analyses case is designed to check the water parameters, in particular of heating water.

In order to fill heating systems in accordance with the rules, it is necessary to prevent scaling and corrosions (VDI 2035, sheet 1 and sheet 2). By means of the test kits contained in the case, all parameters which are essential for the proper operation of a heating system can be determined.

By means of the Kombi measuring device, the pH value and the conductivity can be determined. Both measurements are temperature compensated (up to 60 °C), so a cool-down to 20 °C is not necessarily required.

By means of the water test kit for hardness, the water's degree of hardness can be measured. A low hardness value prevents the formation of scale.

The test kit for molybdenum is designed to measure the molybdenum concentration in the water. If, for example GENO®-safe A is added to the heating water, its efficiency is determined by means of the molybdenum concentration.

The calibrating solutions are designed to calibrate the Kombi measuring device (pH value and conductivity).

The potassium chloride solution KCL is used as storage solution for the pH electrode of the Kombi measuring device.

The cups are used to take samples or - in combination with the calibrating solutions - to calibrate the Kombi measuring device.

Scope of supply

- Sturdy Sortimo case (suitable for Sortimo in-vehicle equipment)
- Kombi measuring device
- Test kit for hardness
- Test kit for molybdenum
- Calibrating solutions and storage solution KCL
- Test cup (3 pcs)
- Operation manual

Accessories

Spare electrode

Order no. 170 605

Carbon filter paper

Order no. 888 09 011

PE funnel

Order no. 888 06 006

Consumables

In order to ensure a reliable analysis, you should only use genuine consumables.

Water test kit for molybdenum

Order no. 170 140

Water test kit "Total hardness" (1 pc)

Order no. 170 145

Water test kit "Total hardness" (10 pcs)

Order no. 170 100

Calibrating solution for conductivity
1413 µS/cm

Order no. 203 624

Calibrating solution pH 4

Order no. 203 627

Calibrating solution pH 7

Order no. 203 628

Storage solution for electrode
50 ml KCL 3 mol/l

Order no. 203 631

Technical specifications	GENO-therm® analyses case	
Dimensions and weights		
Weight	[kg]	3.5
Dimensions (w x d x h)	[mm]	440 x 330 x 66
Order no.		707 190

Technical specifications	Kombi measuring device	
Measuring ranges		
pH		0.0 - 14.0
EC	[µS/cm]	0 - 3999
TDS	[ppm(mg/l)]	0 - 2000
Temperature	[°C]	0.0 - 60.0
Resolution		
pH		0.01
EC	[µS/cm]	1
TDS	[ppm(mg/l)]	1
Temperature	[°C]	0.1
Accuracy (at 20 °C)		
pH		±0.01
EC		±2 % of the value displayed
TDS		±2 % of the value displayed
Temperature	[°C]	±0.5
Temperature compensation		
pH		automatic
EC		with β=0.0 - 2.4 %/°C reference temp.: 25°C
TDS		with β=0.0 - 2.4 %/°C reference temp.: 25°C
Dimensions and weights		
Width	[mm]	40
Height	[mm]	163
Depth	[mm]	26
Weight	[g]	100
General		
Max. humidity	[%]	100
Batteries/service life		(4 x 1.5 V) / 100 operating hours
Switch-off automatics		after a measuring break of 8 min.
EC/TDS factor (CONV)		0.45 - 1.00 (0.5 standard value)
Ambient temperature	[°C]	0 - 50
Order no.		170 178