GRÖGER & OBST

Measuring system

GO-TOC P

Analysis and Sample Processing

GO-TOC P

Complete measuring system for continuous detection of the total organic carbon (TOC) in water with automatic sample preparation. Optional with TN measurement.

FUNCTION

Systems for measuring total carbon (TC), total organic carbon (TOC), total inorganic carbon (TIC) or dissolved organic carbon (DOC) according to DIN 38409 Part 3 / EN 1484 for optionally measuring total bound nitrogen (TNb) according to DIN 38409 Part 27 in water. With automatic sample processing for inline analysis or for manual or automatic single-sample analysis.

OPERATING MODES

The basis for the analysis is the thermal catalytic oxidation of the contents of the water sample. The volumes are determined by means of an infrared photometer. CO2 is analysed in order to determine the carbon content and NO is analysed to determine the nitrogen content (cf. the data sheet "analysis method").

The inline analysis uses a continuous sample water supply and automatic TIC elimination. The lab analysis samples can be introduced manually or by means of an auto sampler; TIC can be eliminated either manually or automatically.

MEASUREMENT DISPLAY

Thmeasurements are displayed in in mg C/l and/or mg N/l.e

SYSTEM MODELS

GO-TOC PM: Inline analyser on a mounting plate for continuous measurements.

GO-TOC PS: Inline analyser in a steel case for continuous measurements.

All models can be equipped with systems for measuring solids or nitrogen.

VERSATILE APPLICATION

- Sewage treatment plant monitoring
- Monitoring of industrial sewage
- Drinking water control
- Surface water testing in refineries and at airports
- Water quality control

OPTIONS / ACCESSORY

- Sample point switching
- Automatic calibration function
- Dilution unit
- Model for simultaneous analysis of TOC and TN
- Inline filter GO-RIF
- Second oven
- Steel cabinet

PERFORMANCE PROFIL GO-TOC P

NDIR gas analyser	Ultramat 6 F / 6 EU / 6 E – 2 PU
Smallest measuring range TOC	0 – 1 mg/l C
Smallest meas. ranges TOC/TN combined (option)	TOC 0 – 1 mg/l C TN 0 – 100 mg/l C
Dosing pump	4 channel dosing pump Minipuls 3
Display	LCD
Threshold values	4
Output signal	0 / 2 / 4 - 20 mA / serial interface
Operating temperature oxidation furnace	850°
Time for heating up	approx. 180 Minuten
90% time	Dependent on cable lengths and parameters
Ambient temperature	+5 to +30° C
Maximum power consumption	max. 1600 VA
Weight	approx. 95 kg
Power supply	230 V, 50 Hz
Dimensions (W x H x D)	approx. 1700 x 700 x 350 mm (mounting plate) approx. 1900 x 800 x 500 mm (steel case)
Gas cooler	Peltier cooler GO-PK2
Flow rate sample	approx. 150 ml/h
Flow rate analysis sample	approx. 40 ml/h
Weight	approx. 100 kg (mounting plate) approx. 190 kg (steel case)
Sample path materials	Ceramics, glass, platinum, Viton, PVC, palladium
Stripper and carrier gas	Ambient air

ADVANTAGES

- Continuous measurement acquisition
- Measurement according to DIN 38409 and EN 1484
- Online operation
- Automatic sample preparation
- Robust proven technology
- Siemens Gas Analyzer

Gröger & Obst
Vertriebs- und Service GmbH
Hans-Urmiller-Ring 24
82515 Wolfratshausen

+49 8171 / 9977 00
+49 8171 / 9977 12
info@groegerobst.de
www.groegerobst.de