

TESTA

VOC-Water-measurement

Datasheet Total-Hydrocarbon-Analyzer for measurement of hydrocarbons in water

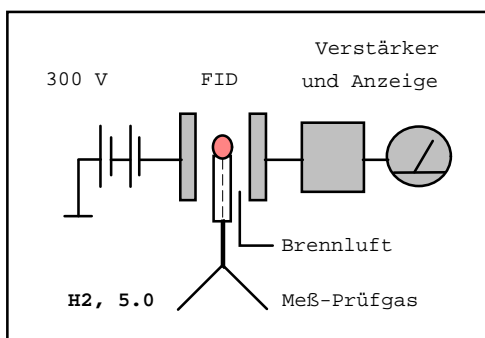
Product description

The Flame-Ionization-Detector 1020A+E is designed for the continuous measurement of volatile organic carbons (VOC) in water. The main advantages of this analyzer is his precisiuous measuring even if the waste water contents particles or salt. A built in filter guarantees long operating time and little maintenance

Special advantages

- Detection limit $0,1\text{mgC}/\text{m}^3$
- FID-chamber heated up to $300\text{ }^\circ\text{C}$
- No heated line is necessary
- The sample flow and the strip air flow have only very little influence on the measurement
- No foambuilding
- Little dead-volumina
- Detection of aromates (BTX) even if high concentrations of soluble hydrocarbons are in the sample (for example alcohols)
- Little quantity of sample-water, zero-water and calibration-water is needed for analysis
- Simple and clear operation of analyzer
- Display of all important operation-parameters
- Limit value is built in

Operation principle



Technical Data FID 1020A+E

Decadic measuring range:	5
Smallest measuring range:	$0 - 10\text{ mgC}/\text{m}^3$
Largest measuring range:	$0 - 100.000\text{ mgC}/\text{m}^3$
Reproducibility:	$\pm 2\%$
Zero point drift:	$\pm 1\%$ in 24 hrs.
Response speed: from analyzer input	60 seconds
Warming -up-time from: approx. 30 min	$20^\circ\text{C} - 300^\circ\text{C}$
Analogue output: - current, galv. separated:	4-20 mA/500 Ω
Auxiliary gases: - Fuel	H ₂ , 5.0
- Purge air:	Instrument air
Fuel gas consumption:	ca. 40-60 ml/min
Fuel-/Purge air consumption:	40 l/hrs.
Sample flow:	0,5 - 1 L/hrs.
Zero-/Calibrationwater:	0,5 - 1 L/hrs.
Mains connection: Capacity:	230 V / 50 Hz max. 1,3 KW
Size Analytic (HxBxT):	700x483x265 mm
Size Electron.(HxBxT):	3 HE 19"Housing
Weight:	28kg in total