



## EZ7200 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485

제품 번호: EZ7200.99001C02  
KRW 가격: Hach에 문의

### Online, automatic monitoring of critical process parameters and process efficiency in anaerobic digesters

#### A new control alternative for anaerobic digestion

Due to the expensive or time-consuming character of most analysis methods for anaerobic processes, industrial digesters are usually not adequately monitored. Developed specifically for monitoring anaerobic digesters, the EZ7200 Series bring the possibility of implementing new control alternatives to typical operating problems in mid to large scale digesters.

#### Critical parameter monitoring, online and automatic

Anaerobic digesters require monitoring of a specific set of critical parameters in order to obtain optimal production efficiency, compliance and biogas yield. The primary parameter is volatile fatty acids (VFAs), representing the metabolic condition of the anaerobic digester and responding quickly to stress induced changes, combined with bicarbonate and alkalinity.

The EZ7200 Series are easy-to-operate online titrators using a unique and robust method for measuring the critical process parameters in one single run, enabling insight as well as full control over the anaerobic process:

- Direct titration with minimum volatilisation
- Continuous monitoring of the anaerobic process
- Enabling higher loading rate for maximum CH<sub>4</sub> production
- Prevention of digester failure due to VFA accumulation
- Easy implementation within a dynamic control strategy
- Easy integration into corporate networks

There are many additional options available. Please contact Hach for more details.

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## 사양

간섭:	Phosphates and similar dissociating ions and non-fatty acids which on acidification from undissociated acids may cause interference. Sulphide may deteriorate some types of pH electrodes. Fats, oil, proteins, surfactants and tar.
검출 하한(LOD):	≤ 10 mg/L (range 10 - 500 mg/L VFAs)
경보:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts

계측용 공기:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
교정:	Automatic; frequency freely programmable
디지털 출력:	Modbus RS485
무게:	25 kg
배수:	Atmospheric pressure, vented, min. Ø 64 mm
범위:	10 - 500 mg/L as acetate equivalent
보증:	2 years
보호 등급:	Analyser cabinet: IP55 / Panel PC: IP65
사이클 타임:	10 - 15 minutes
시료 스트림 수:	1 stream
	Optional:
	1 to 8 streams
시료 압력:	By external overflow vessel
시료 온도:	10 - 30 °C
시료 유속:	100 - 300 mL/min
시료 품질:	Maximum particle size 500 µm, < 0.1 g/L
	Most applications require the use of an EZ9130 sampling/filtration system.
시약 요구 사항:	Keep between 10 - 30 °C
유효성 검사:	Automatic; frequency freely programmable
인증:	CE compliant / UL certified
재료:	Hinged part: Thermoform ABS, door: plexiglass
	Wall section: Galvanised steel, powder coated
전력:	110 - 240 VAC, 4 A, 50/60 Hz Max. power consumption: 150 VA
접지:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup>
정밀도:	Better than 3% full scale range for standard test solutions
주위 온도:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
출력:	Modbus RS485
	Optional:
	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs
	RS232, Modbus TCP/IP
측정 방법:	Acid-base titration
치수(H x W x D):	690 mm x 465 mm x 330 mm
항목:	Volatile fatty acids (VFAs)
행급:	With tap water