



Be Right™



## EZ7202 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485

Termékszám: EZ7202.99001C02

HUF Ár (nettó): Elérhetőségünk

Szállítási dátum kérése

### 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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### Műszaki adatok

Anyag: Hinged part: Thermoform ABS, door: plexiglass

Wall section: Galvanised steel, powder coated

Demineralised water: N.A.

Detektálási határ: ≤ 10 mg/L

Digitális kimenetek:	Modbus RS485
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm <sup>2</sup>
Garancia:	2 év
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferenciák:	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.
Kalibrálás:	Automatic; frequency freely programmable
Kimenet :	Modbus RS485

Optional:

Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs

RS232, Modbus TCP/IP

Környezeti hőmérséklet:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Lefolyócső:	Atmospheric pressure, vented, min. Ø 64 mm
Mérés módszer:	Acid-base titration
Méréstartomány:	100 - 5000 mg/L as acetate equivalent
Méreték (MxSZxM):	690 mm x 465 mm x 330 mm
Minta hőmérséklet:	10 - 30 °C
Minta minőség:	Maximum particle size 500 µm, < 0.1 g/L

Most applications require the use of an EZ9130 sampling/filtration system.

Minta: nyomás:	By external overflow vessel
Mintaáram:	100 - 300 mL/min
Mintacellák:	10 - 15 minutes
Mintautak száma:	1 stream

Optional:

1 to 8 streams

Paraméter:	Volatile fatty acids (VFAs)
Pontosság:	Better than 3% full scale range for standard test solutions
Reagent Requirements:	Keep between 10 - 30 °C
Riasztás:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Rinsing:	With tap water
Súly:	25 kg
Tanúsítványok:	CE compliant / UL certified
Teljesítmény:	110 - 240 VAC, 4 A, 50/60 Hz Max. power consumption: 150 VA
Validation:	Automatic; frequency freely programmable
Védettségi osztály:	Analyser cabinet: IP55 / Panel PC: IP65