



## EZ Series Volatile Fatty Acids Analysers

The EZ Series Online Analysers offer multiple options to monitor Volatile Fatty Acids in water. Applications are anaerobic wastewater treatment, anaerobic sludge treatment and pilot scale anaerobic reactors.

Volatile fatty acids are important intermediate products for the methanogenesis. They affect loading, efficiency and operational stability of the process. An accumulation of VFA is toxic to bacterial cultures due to inevitable pH drop, especially for the methanogenic bacteria which are only active in a narrow pH range.

The EZ7200 Series VFA Analysers are single-parameter titrators designed specifically for monitoring (wet) anaerobic digesters.

- EZ7200 VFAs, 10 - 500 mg/L as acetate equivalent
- EZ7201 VFAs, 20 - 1,000 mg/L as acetate equivalent
- EZ7202 VFAs, 100 - 5,000 mg/L as acetate equivalent
- EZ7203 VFAs, 500 - 10,000 mg/L as acetate equivalent
- EZ7250 VFAs, 10 - 500 mg/L as acetate equivalent, bicarbonate 0 - 50 meq/L or 5,000 mg/L as CaCO<sub>3</sub>, total and partial alkalinity 0 - 50 meq/L or 5,000 mg/L as CaCO<sub>3</sub>
- EZ7251 VFAs, 20 - 1,000 mg/L as acetate equivalent, bicarbonate 0 - 50 meq/L or 5,000 mg/L as CaCO<sub>3</sub>, total and partial alkalinity 0 - 50 meq/L or 5,000 mg/L as CaCO<sub>3</sub>
- EZ7252 VFAs 100 - 5,000 mg/L as acetate equivalent, bicarbonate 0 - 100 meq/L or 10,000 mg/L as CaCO<sub>3</sub>, total and partial alkalinity 0 - 100 meq/L or 10,000 mg/L as CaCO<sub>3</sub>
- EZ7253 VFAs 500 - 10,000 mg/L as acetate equivalent, bicarbonate 0 - 100 meq/L or 10,000 mg/L as CaCO<sub>3</sub>, total and partial alkalinity 0 - 100 meq/L or 10,000 mg/L as CaCO<sub>3</sub>

Options for all analysers include:

- Multiple stream analysis (1-8 streams) reducing cost per sampling point
- Analogue and/or digital outputs for communication

Most applications require the use of an EZ9130 sampling/filtration system for sample preconditioning. For this option please check the EZ9000 Sample preconditioning page.

Use the filters in the table below to find your VFA analyser. Need support or a different configuration? Please contact us.

Part Number	Product description	Parameter	Measuring range	Output	GBP Price
EZ7200.99001C02	EZ7200 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485	Volatile fatty acids (VFAs)	10 - 500 mg/L as acetate equivalent	Modbus RS485  Optional:  Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs  RS232, Modbus TCP/IP	Contact Us
EZ7201.99001C02	EZ7201 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485	Volatile fatty acids (VFAs)	20 - 1000 mg/L as acetate equivalent	Modbus RS485  Optional:  Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs  RS232, Modbus TCP/IP	Contact Us
EZ7202.99001C02	EZ7202 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485	Volatile fatty acids (VFAs)	100 - 5000 mg/L as acetate equivalent	Modbus RS485  Optional:  Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs  RS232, Modbus TCP/IP	Contact Us
EZ7203.99001C02	EZ7203 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485	Volatile fatty acids (VFAs)	500 - 10,000 mg/L as acetate equivalent	Modbus RS485  Optional:  Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs  RS232, Modbus TCP/IP	Contact Us
EZ7250.99001C02	EZ7250 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485	Volatile fatty acids (VFAs), bicarbonate, total alkalinity, partial alkalinity	VFAs 10 - 500 mg/L as acetate equivalent;  Bicarbonate 0 - 50 meq/L or 5,000 mg/L as CaCO3;  Alkalinity, total and Alkalinity, partial 0 - 50 meq/L or 5,000 mg/L as CaCO3	Modbus RS485  Optional:  Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs  RS232, Modbus TCP/IP	Contact Us

Part Number	Product description	Parameter	Measuring range	Output	GBP Price
EZ7251.99001C02	EZ7251 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485	Volatile fatty acids (VFAs), bicarbonate, total alkalinity, partial alkalinity	VFAs 20 - 1000 mg/L as acetate equivalent;  Bicarbonate 0 - 50 meq/L or 5,000 mg/L as CaCO3;  Alkalinity, total and Alkalinity, partial 0 - 50 meq/L or 5,000 mg/L as CaCO3	Modbus RS485  Optional:  Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs  RS232, Modbus TCP/IP	Contact Us
EZ7252.99001C02	EZ7252 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485	Volatile fatty acids (VFAs), bicarbonate, total alkalinity, partial alkalinity	VFAs 100 - 5000 mg/L as acetate equivalent;  Bicarbonate 0 - 100 meq/L or 10,000 mg/L as CaCO3;  Alkalinity, total and Alkalinity, partial 0 - 100 meq/L or 10,000 mg/L as CaCO3	Modbus RS485  Optional:  Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs  RS232, Modbus TCP/IP	Contact Us
EZ7253.99001C02	EZ7253 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485	Volatile fatty acids (VFAs), bicarbonate, total alkalinity, partial alkalinity	VFAs 500 - 10000 mg/L as acetate equivalent;  Bicarbonate 0 - 100 meq/L or 10,000 mg/L as CaCO3;  Alkalinity, total and Alkalinity, partial 0 - 100 meq/L or 10,000 mg/L as CaCO3	Modbus RS485  Optional:  Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs  RS232, Modbus TCP/IP	Contact Us