



## **EZ Series Alkalinity Analysers**

The EZ Series Online Analysers offer multiple options to monitor Alkalinity in water. Typical applications are wastewater, drinking water, steam & power generation, surface water.

The EZ4000 Series Alkalinity Analysers are single-parameter titrators:

- EZ4003 Free Alkalinity
- EZ4004 Total Alkalinity

Standard measuring range: 10 - 5000 mg/L CaCO<sub>3</sub>

The EZ5000 Series Alkalinity Analysers are multi-parameter titrators:

- EZ5001 Total Alkalinity & Free Alkalinity
- EZ5003 Total Hardness & Free Alkalinity
- EZ5004 Total Hardness & Total Alkalinity
- EZ5005 Total Hardness & Total Alkalinity & Free Alkalinity
- EZ5006 Total Hardness & Total Calcium Hardness & Total Alkalinity & Free Alkalinity

Standard measuring range for

Alkalinity: 10 - 5000 mg/L CaCO<sub>3</sub>

Total Hardness: 10 - 1000 mg/L CaCO<sub>3</sub>

Options for all analysers include:

- Calibration to 10%, 25% or 50% of standard range
- Multiple stream analysis (1-8 streams) reducing cost per sampling point
- Analogue and/or digital outputs for communication

Alkalinity can also be measured in combination with Volatile Fatty Acids (VFA) to monitor digestion processes. For this option please check the EZ7200 Series Analyser page.

Some applications may require the use of a sampling/filtration or an external dilution system for sample preconditioning. For this option please check the EZ9000 Sample preconditioning page.

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

Part Number	Product description	Parameter	Measuring range	Output	GBP Price
EZ4003.99001C02	EZ4003 Free Alkalinity Analyser, 1 stream, Modbus RS485	Alkalinity, free	10 - 5000 mg/L CaCO <sub>3</sub>	Modbus RS485	Contact Us
			Optional:	Optional:	
			10 - 500 mg/L CaCO <sub>3</sub>	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			10 - 1250 mg/L CaCO <sub>3</sub>		
			10 - 2500 mg/L CaCO <sub>3</sub>	RS232, Modbus TCP/IP	
EZ4004.99001C02	EZ4004 Total Alkalinity Analyser, 1 stream, Modbus RS485	Alkalinity, total	10 - 5000 mg/L CaCO <sub>3</sub>	Modbus RS485	Contact Us
			Optional:	Optional:	
			10 - 500 mg/L CaCO <sub>3</sub>	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			10 - 1250 mg/L CaCO <sub>3</sub>		
			10 - 2500 mg/L CaCO <sub>3</sub>	RS232, Modbus TCP/IP	
EZ5001.99001C02	EZ5001 Total / Free Alkalinity Analyser, 1 stream, Modbus RS485	Alkalinity, total; Alkalinity, free	10 - 5000 mg/L CaCO <sub>3</sub>	Modbus RS485	Contact Us
			Optional:	Optional:	
			10 - 500 mg/L CaCO <sub>3</sub>	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			10 - 1250 mg/L CaCO <sub>3</sub>		
			10 - 2500 mg/L CaCO <sub>3</sub>	RS232, Modbus TCP/IP	
EZ5003.99001C02	EZ5003 Total Hardness + Free Alkalinity Analyser, 1 stream, Modbus RS485	Hardness, total; Alkalinity, free	Total Hardness: 10 - 1000 mg/L CaCO <sub>3</sub>	Modbus RS485	Contact Us
			Alkalinity: 10 - 5000 mg/L CaCO <sub>3</sub>	Optional:	
				Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			Optional:		
			Total Hardness: 10 - 500 mg/L CaCO <sub>3</sub>	RS232, Modbus TCP/IP	
			Alkalinity: 10 - 100 mg/L CaCO <sub>3</sub>		
			Total Hardness: 10 - 1250 mg/L CaCO <sub>3</sub>		
			Alkalinity: 10 - 250 mg/L CaCO <sub>3</sub>		
			Total Hardness: 10 - 2500 mg/L CaCO <sub>3</sub>		
			Alkalinity: 10 - 500 mg/L CaCO <sub>3</sub>		

Part Number	Product description	Parameter	Measuring range	Output	GBP Price
EZ5004.99001C02	EZ5004 Total Hardness + Total Alkalinity Analyser, 1 stream, Modbus RS485	Hardness, total; Alkalinity, total	Total Hardness: 10 - 1000 mg/L CaCO <sub>3</sub>	Modbus RS485	Contact Us
			Total Alkalinity: 10 - 5000 mg/L CaCO <sub>3</sub>	Optional:	
			Optional:	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			Total Hardness: 10 - 500 mg/L CaCO <sub>3</sub>	RS232, Modbus TCP/IP	
			Total Alkalinity: 10 - 100 mg/L CaCO <sub>3</sub>		
			Total Hardness: 10 - 1250 mg/L CaCO <sub>3</sub>		
			Total Alkalinity: 10 - 250 mg/L CaCO <sub>3</sub>		
			Total Hardness: 10 - 2500 mg/L CaCO <sub>3</sub>		
EZ5005.99001C02	EZ5005 Total Hardness + Total / Free Alkalinity Analyser, 1 stream, Modbus RS485	Hardness, total; Alkalinity, total; Alkalinity, free	Total Hardness: 10 - 1000 mg/L CaCO <sub>3</sub>	Modbus RS485	Contact Us
			Total/Free Alkalinity: 10 - 5000 mg/L CaCO <sub>3</sub>	Optional:	
			Optional:	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			Total Hardness: 10 - 500 mg/L CaCO <sub>3</sub>	RS232, Modbus TCP/IP	
			Total/Free Alkalinity: 10 - 100 mg/L CaCO <sub>3</sub>		
			Total Hardness: 10 - 1250 mg/L CaCO <sub>3</sub>		
			Total/Free Alkalinity: 10 - 250 mg/L CaCO <sub>3</sub>		
			Total Hardness: 10 - 2500 mg/L CaCO <sub>3</sub>		
			Total/Free Alkalinity: 10 - 500 mg/L CaCO <sub>3</sub>		

Part Number	Product description	Parameter	Measuring range	Output	GBP Price
EZ5006.99001C02	EZ5006 Total Hardness / Total Calcium Hardness + Total / Free Alkalinity Analyser, 1 stream, Modbus RS485	Hardness, total; Calcium hardness, total; Alkalinity, total; Alkalinity, free	<p>Total Hardness/Total Calcium Hardness: 10 - 1000 mg/L CaCO<sub>3</sub></p> <p>Total/Free Alkalinity: 10 - 5000 mg/L CaCO<sub>3</sub></p> <p>Optional:</p> <p>TH/THCa: 10 - 500 mg/L CaCO<sub>3</sub></p> <p>Total/Free Alkalinity: 10 - 100 mg/L CaCO<sub>3</sub></p> <p>TH/THCa: 10 - 1250 mg/L CaCO<sub>3</sub></p> <p>Total/Free Alkalinity: 10 - 250 mg/L CaCO<sub>3</sub></p> <p>TH/THCa: 10 - 2500 mg/L CaCO<sub>3</sub></p> <p>Total/Free Alkalinity: 10 - 500 mg/L CaCO<sub>3</sub></p>	<p>Modbus RS485</p> <p>Optional:</p> <p>Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs</p> <p>RS232, Modbus TCP/IP</p>	Contact Us
EZ7250.99001C02	EZ7250 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485	Volatile fatty acids (VFAs), bicarbonate, total alkalinity, partial alkalinity	<p>VFAs 10 - 500 mg/L as acetate equivalent;</p> <p>Bicarbonate 0 - 50 meq/L or 5,000 mg/L as CaCO<sub>3</sub>;</p> <p>Alkalinity, total and Alkalinity, partial 0 - 50 meq/L or 5,000 mg/L as CaCO<sub>3</sub></p>	<p>Modbus RS485</p> <p>Optional:</p> <p>Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs</p> <p>RS232, Modbus TCP/IP</p>	Contact Us
EZ7251.99001C02	EZ7251 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485	Volatile fatty acids (VFAs), bicarbonate, total alkalinity, partial alkalinity	<p>VFAs 20 - 1000 mg/L as acetate equivalent;</p> <p>Bicarbonate 0 - 50 meq/L or 5,000 mg/L as CaCO<sub>3</sub>;</p> <p>Alkalinity, total and Alkalinity, partial 0 - 50 meq/L or 5,000 mg/L as CaCO<sub>3</sub></p>	<p>Modbus RS485</p> <p>Optional:</p> <p>Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs</p> <p>RS232, Modbus TCP/IP</p>	Contact Us
EZ7252.99001C02	EZ7252 Volatile Fatty Acids (VFA) Analyser, 1 stream, Modbus RS485	Volatile fatty acids (VFAs), bicarbonate, total alkalinity, partial alkalinity	<p>VFAs 100 - 5000 mg/L as acetate equivalent;</p> <p>Bicarbonate 0 - 100 meq/L or 10,000 mg/L as CaCO<sub>3</sub>;</p> <p>Alkalinity, total and Alkalinity, partial 0 - 100 meq/L or 10,000 mg/L as CaCO<sub>3</sub></p>	<p>Modbus RS485</p> <p>Optional:</p> <p>Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs</p> <p>RS232, Modbus TCP/IP</p>	Contact Us

Part Number	Product description	Parameter	Measuring range	Output	GBP Price
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