



EZ Series Hardness Analysers

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

The EZ1000 Series Hardness Analysers use colorimetric analysis:

- EZ1016 Total Hardness
- EZ1017 Calcium Hardness
- EZ1304 Total Hardness & Calcium
- EZ1306 Total Hardness & Calcium & Magnesium

Standard measuring range: 0 - 1 mg/L CaCO₃

The EZ4000 Series Hardness Analysers are single-parameter titrators:

- EZ4041 Total Hardness; calmagite / EDTA method; standard measuring range: 0 - 1000 mg/L CaCO₃
- EZ4043 Total Hardness; calmagite / EDTA method with LED dipping probe; standard measuring range: 0.05 - 10 mg/L CaCO₃
- EZ4044 Calcium Hardness; standard measuring range: 0 - 1000 mg/L CaCO₃

The EZ5000 Series Alkalinity Analysers are multi-parameter titrators:

- EZ5002 Total Hardness & Total Calcium Hardness
- 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

Total Hardness and Calcium Hardness: 10 - 1000 mg/L CaCO₃

Alkalinity: 10 - 5000 mg/L CaCO₃

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

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 Hardness analyser. Need support or a different configuration? Please contact us.

Part Number	Product description	Parameter	Measuring range	Output	GBP Price
EZ1016.99001C02	EZ1016 Total Hardness Analyser, 1 stream, Modbus RS485	Total Hardness	0 - 1 mg/L CaCO ₃	Modbus RS485	Contact Us
			Optional:	Optional: max. 8 active 4 - 20 mA max. 500 Ohm load outputs, RS232, Modbus TCP/IP	
			0 - 0.1 mg/L		
			0 - 0.25 mg/L		
			0 - 0.5 mg/L		
			0 - 4 mg/L (with internal dilution)		
			0 - 8 mg/L (with internal dilution)		
			0 - 100 mg/L (with internal dilution)		
EZ1017.99001C02	EZ1017 Calcium Hardness Analyser, 1 stream, Modbus RS485	Calcium Hardness	0 - 1 mg/L CaCO ₃	Modbus RS485	Contact Us
			Optional:	Optional: max. 8 active 4 - 20 mA max. 500 Ohm load outputs, RS232, Modbus TCP/IP	
			0 - 0.1 mg/L		
			0 - 0.25 mg/L		
			0 - 0.5 mg/L		
			0 - 4 mg/L (with internal dilution)		
			0 - 8 mg/L (with internal dilution)		
			0 - 100 mg/L (with internal dilution)		

Part Number	Product description	Parameter	Measuring range	Output	GBP Price
EZ1304.99001C02	EZ1304 Total Hardness + Calcium Analyser, 1 stream, Modbus RS485	Total Hardness, Calcium	TH/Ca: 0 - 1 mg/L CaCO ₃	Modbus RS485	Contact Us
			Optional:	Optional: max. 8 active 4 - 20 mA max. 500 Ohm load outputs, RS232, Modbus TCP/IP	
			0 - 0.1 mg/L		
			0 - 0.25 mg/L		
			0 - 0.5 mg/L		
			0 - 4 mg/L (with internal dilution)		
			0 - 8 mg/L (with internal dilution)		
			0 - 100 mg/L (with internal dilution)		
EZ1306.99001C02	EZ1306 Total Hardness + Calcium + Magnesium Analyser, 1 stream, Modbus RS485	Total Hardness, Calcium, Magnesium	TH/Ca/Mg: 0 - 1 mg/L CaCO ₃	Modbus RS485	Contact Us
			Optional:	Optional: max. 8 active 4 - 20 mA max. 500 Ohm load outputs, RS232, Modbus TCP/IP	
			0 - 0.1 mg/L		
			0 - 0.25 mg/L		
			0 - 0.5 mg/L		
			0 - 4 mg/L (with internal dilution)		
			0 - 8 mg/L (with internal dilution)		
			0 - 100 mg/L (with internal dilution)		
EZ4041.99001C02	EZ4041 Total Hardness Analyser, 1 stream, Modbus RS485	Hardness, total	10 - 1000 mg/L CaCO ₃	Modbus RS485	Contact Us
			Optional:	Optional:	
			10 - 100 mg/L CaCO ₃	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			10 - 250 mg/L CaCO ₃		
			10- 500 mg/L CaCO ₃	RS232, Modbus TCP/IP	
EZ4044.99001C02	EZ4044 Calcium Hardness Analyser, 1 stream, Modbus RS485	Calcium Hardness	10 - 1000 mg/L CaCO ₃	Modbus RS485	Contact Us
			Optional:	Optional:	
			10 - 100 mg/L CaCO ₃	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			10 - 250 mg/L CaCO ₃		
			10- 500 mg/L CaCO ₃	RS232, Modbus TCP/IP	

Part Number	Product description	Parameter	Measuring range	Output	GBP Price
EZ5002.99001C02	EZ5002 Total Hardness Analyser (TH, THCa), 1 stream, Modbus RS485	Total Hardness & Calcium Hardness (THCa)	10 - 1000 mg/L CaCO ₃	Modbus RS485	Contact Us
			Optional:	Optional:	
			10 - 100 mg/L CaCO ₃	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			10 - 250 mg/L CaCO ₃		
			10- 500 mg/L CaCO ₃	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 ₃	Modbus RS485	Contact Us
			Alkalinity: 10 - 5000 mg/L CaCO ₃	Optional:	
			Optional:	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			Total Hardness: 10 - 500 mg/L CaCO ₃	RS232, Modbus TCP/IP	
			Alkalinity: 10 - 100 mg/L CaCO ₃		
			Total Hardness: 10 - 1250 mg/L CaCO ₃		
			Alkalinity: 10 - 250 mg/L CaCO ₃		
			Total Hardness: 10 - 2500 mg/L CaCO ₃		
			Alkalinity: 10 - 500 mg/L CaCO ₃		

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 ₃	Modbus RS485	Contact Us
			Total Alkalinity: 10 - 5000 mg/L CaCO ₃	Optional:	
			Optional:	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			Total Hardness: 10 - 500 mg/L CaCO ₃	RS232, Modbus TCP/IP	
			Total Alkalinity: 10 - 100 mg/L CaCO ₃		
			Total Hardness: 10 - 1250 mg/L CaCO ₃		
			Total Alkalinity: 10 - 250 mg/L CaCO ₃		
			Total Hardness: 10 - 2500 mg/L CaCO ₃		
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 ₃	Modbus RS485	Contact Us
			Total/Free Alkalinity: 10 - 5000 mg/L CaCO ₃	Optional:	
			Optional:	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			Total Hardness: 10 - 500 mg/L CaCO ₃	RS232, Modbus TCP/IP	
			Total/Free Alkalinity: 10 - 100 mg/L CaCO ₃		
			Total Hardness: 10 - 1250 mg/L CaCO ₃		
			Total/Free Alkalinity: 10 - 250 mg/L CaCO ₃		
			Total Hardness: 10 - 2500 mg/L CaCO ₃		
			Total/Free Alkalinity: 10 - 500 mg/L CaCO ₃		

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	Total Hardness/Total Calcium Hardness: 10 - 1000 mg/L CaCO ₃	Modbus RS485	Contact Us
			Total/Free Alkalinity: 10 - 5000 mg/L CaCO ₃	Optional:	
			Optional:	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			TH/THCa: 10 - 500 mg/L CaCO ₃	RS232, Modbus TCP/IP	
			Total/Free Alkalinity: 10 - 100 mg/L CaCO ₃		
			TH/THCa: 10 - 1250 mg/L CaCO ₃		
			Total/Free Alkalinity: 10 - 250 mg/L CaCO ₃		
			TH/THCa: 10 - 2500 mg/L CaCO ₃		
EZ4043.99001C02	EZ4043 Total Hardness Analyser, 1 stream, Modbus RS485	Hardness, total	0.05 - 10 mg/L CaCO ₃	Modbus RS485	Contact Us
			Optional:	Optional:	
			0.05 - 1 mg/L CaCO ₃	Active 4 - 20 mA max. 500 Ohm load, 1 to 8 outputs	
			0.05 - 2.5 mg/L CaCO ₃		
			0.05 - 5 mg/L CaCO ₃	RS232, Modbus TCP/IP	