



EZ2732sc Total Phosphorus Colorimetric Analyser, 1 stream, 4x mA Output

Product #: EZ2732.980B140T

AED Price: Contact Hach

Reliable, Scalable Systems Designed for Peak Performance

The EZ2732sc Total Phosphorus Analyser with the SC4500 Controller provides reliable, precise monitoring of phosphorus levels in water. Built for industrial and wastewater applications, it tackles challenges like process inefficiencies, compliance, and integration. With advanced technology and user-friendly design, it ensures consistent results and smooth operation in demanding environments.

Key Features

Flexible Customisation

The EZ2732sc Total Phosphorus Analyser is built to accommodate the unique needs of your facility. Starting with a standard configuration of 1 stream and 4x mA outputs, it can be expanded to handle up to 8 streams and 8x mA outputs, providing scalability as your requirements grow. Connectivity options—including Modbus RTU, Modbus TCP/IP, Profibus DP, and Ethernet/IP—enable smooth integration with your existing systems, streamlining operations and enhancing monitoring capabilities.

Reliable and Easy to Use

Delivering high-accuracy phosphorus measurements with minimal maintenance, the EZ2732sc Total Phosphorus Analyser is built to perform reliably under challenging conditions. Its intuitive interface simplifies setup and daily operation, reducing complexity and training time. Constructed with durability in mind, this Analyser provides long-term reliability, helping to minimise downtime and maintain operational efficiency.

Explore Tailored Solutions

No two facilities are the same, and the EZ2732sc Total Phosphorus Analyser is designed to meet your specific challenges head-on. Contact us today to learn how this customisable solution can optimise your processes, improve compliance, and deliver complete confidence in your water quality monitoring systems. Together, we'll configure a solution that fits your needs perfectly.

Trusted Equipment for Critical Operations

The EZ sc Series combines robust engineering with high-quality materials to ensure reliability 24/7. Designed for long-term performance, EZ sc Series minimises breakdowns and supports sustained operational success.

Scalable Solutions for Growing Needs

Built to evolve alongside your needs, online analysers from the EZ sc Series offer adaptable parameters and easier integration. They ensure your facility remains future proof without requiring expensive upgrades. Easily adjust parameter testing ranges and expand sample streams to accommodate innovation and growth.

Real-Time Data for Faster Decisions

The EZ sc Series offers advanced connectivity and real-time monitoring, delivering immediate access to actionable insights. Facilities utilising this technology benefit from improved reaction times, empowering more informed decision-making and quicker responses during critical situations.

Simplified Troubleshooting with Expert Support

Built-in diagnostics combined with secure remote data access make the EZ sc Series simplify issue resolution. Supported by a highly responsive team of experts, it ensures uninterrupted functionality and minimises operational downtime. By addressing and identifying issues early, EZ sc Series of online analysers helps prevent costly disruptions and repairs while maintaining system efficiency.

Clear Workflows for Predictable Outcomes

Standardised tools and guided workflows ensure consistent implementation and operation. The EZ sc Series minimises miscommunication, sets clear expectations, and reduces process inconsistencies, driving greater efficiency.

Specifications

Ambient temperature:	10 - 30 °C ± 4 °C deviation at 5 - 95% relative humidity (non-condensing)
Analogue outputs:	Active 0 - 20 mA (or 4 - 20 mA) max. 500 Ohm load, standard: 4, optional: 8
Automatic cleaning:	Yes; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Calibration:	Automatic; 2-point; offset or slope; Frequency freely programmable: 6 hours, 12 hours, daily, weekly. Note: manufacturer recommends that a calibration is done when the reagents are replaced
Certifications:	CE, ETL certified to UL and CSA safety standards, UKCA
Cycle Time:	No Dilution
	Default: 45 min.
	Continous: 31 min.
	Internal Dilution
	Default: 33 min.
	Continous 33 min.
Demineralised water:	Internal dilution option: Rinse water & Dilution water
Detection limit:	No Dilution
	0.005 - 1 mg/L PO ₄ (T)
	Internal Dilution
	0.025 - 5 mg/L PO ₄ (T)
	0.05 - 10 mg/L PO ₄ (T)
	0.125 - 25 mg/L PO ₄ (T)
	0.25 - 50 mg/L PO ₄ (T)
Digital outputs:	Profibus DP or Modbus RTU
Dimensions (H x W x D):	688 mm x 460 mm x 340 mm
Drain:	Atmospheric pressure, vented, min. Ø 32 mm
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm²
Flow rate:	100 - 300 mL/min
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air. Used to flush the instrument in corrosive environment. Min. 0.2 bar - Max. 0.5 bar

Interferences:	Arsenic (V) [(As)5+], chromium (VI) [(Cr)6+], copper (II) [(Cu)2+] > 10 mg/L, iron (III) [(Fe)3+] > 10 mg/L, sulfide [(S)2-] > 2 mg/L and vanadium [(V)5+], silica [(Si)4+] > 60 mg/L. Large quantities of color and turbidity interfere. Fats, oil, proteins, surfactants and tar interfere.
IP Rating:	IP44
Material:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Measurement method:	Colorimetric
Measuring range:	No Dilution
	0.005 - 1 mg/L PO ₄ -P
	Internal Dilution
	0.025 - 5 mg/L mg/L PO ₄ -P
	0.05 - 10 mg/L mg/L PO ₄ -P
	0.125 - 25 mg/L mg/L PO ₄ -P
	0.25 - 50 mg/L mg/L PO ₄ -P
Model:	EZ2732sc
Number of sample streams:	Standard: 1
	Optional accessory for 2, 4, or 8 sample streams
Output:	Optional: Claros Ethernet connection and Modbus TCP/IP Ethernet connector; LAN version; 10/100 Mbps or Profinet or Ethernet IP
Parameter:	Phosphorus, total
Power:	230 VAC, 50/60 Hz
	120 VAC, 50/60 Hz
	Max. power consumption: 240 VA
Precision:	Better than 2% full scale range for standard test solutions
Protection class:	IP44
Reagent Requirements:	Keep Reducing agent between 10 - 15 °C, all other between 10 - 30 °C
Relays:	5 contacts, not user configurable: Malfuntion, maintenance, analysis ready, sample ready, sample ready (EZ9150)
Sample pressure:	By external overflow vessel (open to atmospheric pressure)
Sample quality:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Sample temperature:	10 - 30 °C
Validation:	Automatic; Frequency freely programmable: 6 hours, 12 hours, daily, weekly
Warranty:	24 months
Weight:	Max. 35 kg
What's included?:	EZ2732sc Total Phosphorus Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets and empty Containers for Reagents with Fittings

What's included?

EZ2732sc Total Phosphorus Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets and empty Containers for Reagents with Fittings