EZ4032 Sulphide Analyser

Product #:   EZ4032.XXXXXXXX

AED Price: Contact Hach

Online, automatic titration of Sulphide in water

State of the art titration platform

The EZ4000 Series Analysers are single-parameter titrators built on an industrial analytical platform. High precision dispensers, robust peristaltic pumps and carefully designed liquid pathways all add up to the highest performance for industrial and environmental analysis needs.

Unique flexibility in titration methods

Every application starts with the basics: the right titrimetric technique for the parameter of interest, the measuring range and the water matrix. Depending on the change in the specific variables, the EZ4000 Series run either acid-base, redox, precipitation or photocolorimetric titration allowing for a unique flexibility.

The EZ4000 Series Sulphide Analysers use precipitation titration. They combine unparalleled expertise in online titration with a set of unique analysis, control and communication features in a compact footprint:

- Wide standard measuring range

- Smart automatic features

- Control and communication via industrial panel PC

- Analogue and digital output options

- Multiple stream analysis (up to 8 streams)

There are many additional options available. Please contact Hach for more details.

Specifications

Alarm:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Ambient temperature:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Analogue outputs:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Calibration:	N.A.
Certifications:	CE compliant / UL certified
Cycle Time:	10 - 15 minutes

Demineralised water:	For rinsing / dilution
Detection limit:	≤ 2 mg/L
Digital outputs:	Optional: Modbus (TCP/IP, RS485)
Dimensions (H x W x D):	690 mm x 465 mm x 330 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
Interferences:	Oxidised forms of manganese interfere. Strong oxidising agents such as chlorine, bromine, chlorine dioxide, iodine, permanganate, hydrogen peroxide and ozone. However reduced forms of these components – bromide, chloride, iodide, manganous ion and oxygen – do not interfere. Reducing agents such as organic sulphites also interfere. Fats, oil, proteins, surfactants and tar.
Material:	Hinged part: Thermoform ABS, door: PMMA
	Wall section: Galvanised steel, powder coated
Measurement method:	Precipitation titration with iodine, conform with standard method APHA 4500-S2 (F)
Measuring range:	20 - 1000 mg/L S^{2-}
	Optional:
	2 - 100 mg/L
	5 - 250 mg/L
	10 - 500 mg/L
	Internal dispenser dilution (max. factor 100)
Number of sample streams:	1, 2, 4 or 8
Parameter:	Sulphide
Power:	100 - 240 VAC, 50/60 Hz
	Max. power consumption: 120 VA
Power supply:	100 - 240 VAC, 50/60 Hz
Precision:	Better than 2% full scale range for standard test solutions
Protection class:	Protection class: Analyser cabinet: IP44 / Panel PC: IP65
Reagent Requirements:	Keep between 10 - 30 °C
Sample pressure:	By external overflow vessel
Sample quality:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Sample temperature:	10 - 30 °C
Validation:	Automatic; frequency freely programmable
Warranty:	24 months
Weight:	25 kg
What's included?:	EZ4032 Sulphide Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x Pt Redox Electrode, S7 Connection, 2 x empty 10L Reagent Containers (for Buffer & $Na_2S_2O_3$ Solution) and 1 x empty 10L Reagent Dark Container with Fittings (for I_2 Solution)

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