



EZ7050 Chemical Oxygen Demand Analyser (COD, Permanganate Method)

Kat. číslo produktu: EZ7050.XXXXXXXXXX

EUR Cena bez DPH: Kontaktujte nás

Online, automatic, wet-chemical determination of COD values in wastewater and surface water applications

Bridging traditional chemistry with modern analytics

The EZ7000 Series are wet-chemical COD analysers bringing new levels of automation, reliability and performance in measuring COD values in waste water and surface water. The superior analytical performance is exemplary of their build quality, thanks to the use of high quality components, state of the art wet chemistry and standard smart software features.

Compliance with international standard methods

The analytical mainframe of the EZ7000 Series sets new standards in traditional COD analysis thanks to the flexible architecture, while compliance with international standard methods is assured. Prior to analysis, the sample is oxidised by means of a specific acid solution and heat, in accordance with the standard method applied.

The EZ7000 Series of Online COD Analysers are the answer to the needs of those users who require “true” COD values to quantify organic pollution in various water applications:

- Wet-chemical COD analysis conform standard methods for dichromate or permanganate destruction
- Built-in sample digestion/oxidation unit
- Smart automatic features
- Control and communication via industrial panel PC
- Standard 4 - 20 mA signal output with alarm processing
- Communication ports supporting connectivity to Modbus
- Multiple stream analysis

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

Technické údaje

Alarm:	1 x malfunctioning, 4 x user-configurable, max. 24 VDC/0.5 A, potential free contacts
Analógové výstupy:	Active 4 - 20 mA max. 500 Ohm load, standard 1, max. 8 (option)
Č. prúdov vzoriek:	1, 2, 4, or 8
Certifikácia:	CE compliant / UL certified

Chladicí voda:	Flow rate approx. 5 L/h; temperature max. 30 °C; pressure max. 0.5 bar
Demineralised water:	For rinsing
Detekčný limit:	≤ 1 mg/L
Digitálne výstupy:	Optional: Modbus (TCP/IP, RS485)
Doba cyklu :	40 minutes, including oxidation time of 30 minutes.
Remark: standard method for Cr destruction requires 120 minutes.	
Earth connection:	Dry and clean earth pole with low impedance (< 1 Ohm) using an earth cable of > 2.5 mm²
Hmotnosť:	25 kg
Instrument air:	Dry and oil free according to ISA-S7.0.01-1996 quality standard for instrument air
Interferencie:	Chloride > 1 g/L, inorganic reducing agents such as nitrites, sulphides and iron(II) will increase the result, aromatic hydrocarbons and pyridine are not oxidized to any appreciable extent. Some very volatile organic substances may escape the oxidation by evaporation. Straight chain aliphatic compounds are effectively oxidised by the silver sulphate/sulphuric acid solution. Fats, oil, proteins, surfactants and tar.
Kalibrácia:	Automatic, 2-point; frequency freely programmable
Kvalita vzorky:	Maximum particle size 100 µm, < 0.1 g/L; Turbidity < 50 NTU
Materiál:	Hinged part: Thermoform ABS, door: PMMA
Wall section: Galvanised steel, powder coated	
Metóda merania:	Redox titration after oxidation by acid-potassium dichromate solution, conform with ISO 6060 method Or redox titration after oxidation by potassium permanganate solution, conform with ISO 8467 and JIS K0806 methods
Napájanie:	230 VAC, 50/60 Hz
	120 VAC, 50/60 Hz
Max. power consumption: 440 VA	
Obsah balenia:	EZ7050 COD Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x Combined Pt Electrode, Routine S7 Connection, 1 x empty 2.5L Reagent Container with Fittings (AgNO ₃ Solution), 2 x empty 10L Reagent Containers with Fittings (Acid & Oxalate Solution) and 1 x empty 10L Reagent Dark Container with Fittings (KMNO ₄ Solution)
Odtok:	Atmospheric pressure, vented, min. Ø 32 mm
Parameter:	COD
Presnosť:	Better than 5% full scale range for standard test solutions
Reagent Requirements:	Keep between 10 - 30 °C
Rozmery (V x Š x H):	690 mm x 465 mm x 330 mm
Rozsah merania:	1 - 20 mg/L O ₂
Rýchlosť prietoku vzorky:	100 - 300 mL/min
Teplota prostredia:	10 - 30 °C ±4 °C deviation at 5 - 95% relative humidity (non-condensing)
Teplota vzorky:	10 - 30 °C
Trieda ochrany:	Analyser cabinet: IP55 / Panel PC: IP65
Validation:	Automatic; frequency freely programmable
Vzorka: tlak:	By external overflow vessel
Záruka:	24 mesiacov

Obsah balenia

EZ7050 COD Analyser, Instruction Manual, 1 x Double Bit Door Key, 1 x Mounting Brackets, 1 x Combined Pt Electrode, Routine S7 Connection, 1 x empty 2.5L Reagent Container with Fittings (AgNO_3 Solution), 2 x empty 10L Reagent Containers with Fittings (Acid & Oxalate Solution) and 1 x empty 10L Reagent Dark Container with Fittings (KMNO_4 Solution)