

# Fluorat-02

Fluorometric & photometric liquid analyzer



Fluorat-02 is a multifunctional fluorescence analyzer designed for the quantitative analysis of different types of samples, including water, soil, and food. This instrument determines a wide range of analytes based on fluorescence, chemiluminescence, phosphorescence, and photometry techniques.

## FEATURES AND ADVANTAGES

- Low detection limit
- Fast analysis with low reagent consumption
- 4-in-1 instrument: fluorometer, chemiluminometer, photometer, and nephelometer
- High analytical selectivity compared to conventional photometric instruments
- Capable of determination of total petroleum hydrocarbons (TPH), anionic surfactants, nitrites, B, U, Al, Zn, and a large variety of analytes
- COD-analyzer (Chemical Oxygen Demand) with Termion thermoreactor
- Dedicated FLUORATE software compliant with FDA 21 CFR part 11
- IQ / OQ protocols

## APPLICATION EXAMPLES

Type of sample	Analytes
Water	<ul style="list-style-type: none"> <li>total petroleum hydrocarbons (TPH), anionic surfactants, nitrites, Al, B, U, Zn, turbidity, Chemical Oxygen Demand (COD) in natural, potable, and waste water</li> <li>As, Be, and Se in potable water</li> <li>fluorescein in natural and oilfield water</li> </ul>
Soil	total petroleum hydrocarbons (TPH)
Food and feed	Se, vitamin B1 (thiamine), vitamin B2 (riboflavin)
Pharmaceuticals	Al according to Ph. Eur. 2.4.17

## SPECIFICATIONS

Wavelength range (filter selection)	250–650 nm (Fluorat-02-4M) 250–900 nm (Fluorat-02-5M)
Types of cells	quartz (L=10 mm) glass vials for COD
Power supply	110–240 VAC, 50/60 Hz
Power consumption	< 36 VA
Dimensions	305×320×110 mm
Weight	6.5 kg

## BASIC DELIVERY SET

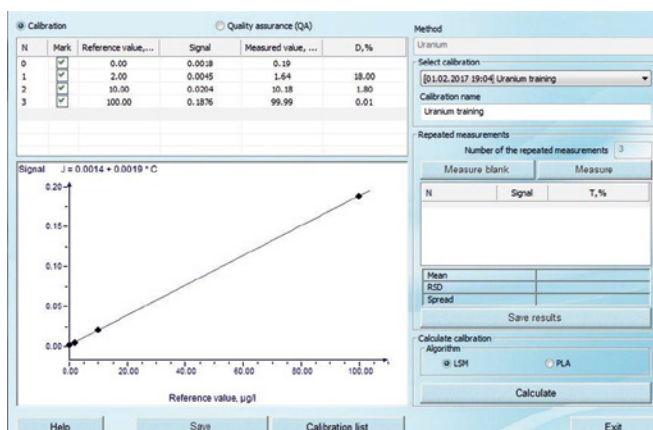
- Fluorat-02-4M/5M analyzer
- FLUORATE software
- Kits for analysis, incl. optical filters (on request)

## COD-ANALYZER WITH THERMOREACTOR TERMION

(with rack, demountable holder, and cassette for vials)



## FLUORATE SOFTWARE



## SERVICES

Installation and commissioning of Lumex Instruments' Fluorat-02 liquid analyzers can be carried out at a customer site by our service engineers or by certified distributor service engineers.

## WARRANTY

Fluorat-02 analyzer is covered by a full 1-year warranty.



Find your local Lumex Instruments distributor:  
[www.lumexinstruments.com](http://www.lumexinstruments.com) | [sales@lumexinstruments.com](mailto:sales@lumexinstruments.com)