

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"> total petroleum hydrocarbons (TPH), anionic surfactants, nitrites, Al, B, U, Zn, turbidity, Chemical Oxygen Demand (COD) in natural, potable, and waste water As, Be, and Se in potable water fluorescein in natural and oilfield water |
| 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

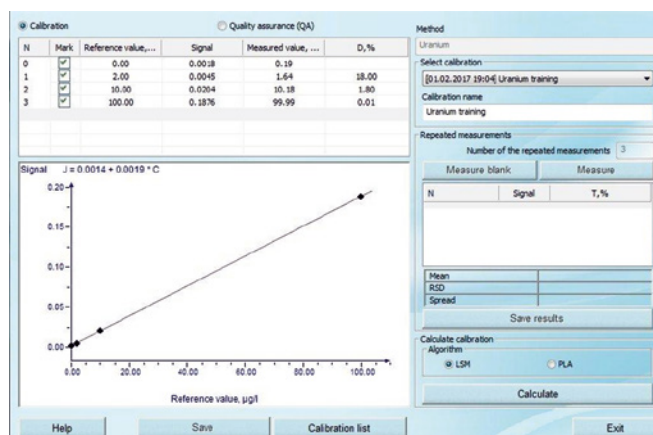
- Fluorat-02-4M/5M analyzer
- FLUORATE software
- Kits for analysis, incl. optical filters (on request)

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 | sales@lumexinstruments.com