

FLUORAT-02

Fluorimetric & Photometric Liquid Analyzers



FLUORAT-02-4M
FLUORAT-02-5M



FLUORAT-02 is a multifunctional fluorescence analyzer intended for 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: fluorimeter, 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 thermoreactor TERMION
- Equipped with dedicated software FLUORATE



APPLICATION EXAMPLES

Type of sample	Analytes
Water	total petroleum hydrocarbons (TPH), anionic surfactants, nitrites, Al, B, U ^[1] , Zn, turbidity ^[2] , Chemical Oxygen Demand (COD), chlorophyll <i>in natural, potable, and waste water</i> As, Be, and Se <i>in potable water</i> fluorescein <i>in natural and oilfield water</i>
Soil	total petroleum hydrocarbons (TPH)
Food and feed	Se, vitamin B ₁ (thiamine), vitamin B ₂ (riboflavin)

^[1] with the FLUORAT-02-4M model only

^[2] with the FLUORAT-02-5M model only

STANDARDS & STANDARD TEST METHODS

The list of standards (ISO, ASTM, AOAC, etc.) applicable to FLUORAT-02 analyzers are available at www.lumexinstruments.com.

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	305x320x110 mm
Weight	6.5 kg

BASIC DELIVERY SET

FLUORAT-02-4M/5M analyzer (with quartz cells, light filters, and dedicated FLUORATE software)

Kits for analysis (on request)

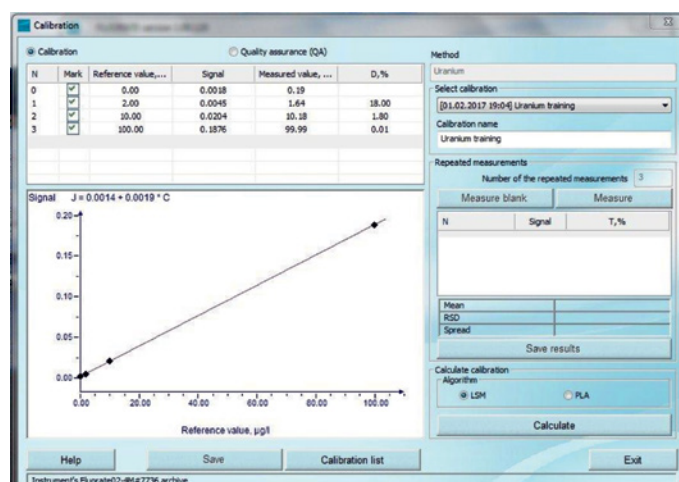
WARRANTY

All LUMEX instruments are covered by a 12-month warranty.

SERVICES

Installation and commissioning of LUMEX instruments can be carried out on-site by our service engineers. Specific personnel training can also be provided.

FLUORATE SOFTWARE



COD-ANALYZER WITH THERMOREACTOR TERMION (with rack, demountable holder, and cassette for vials)



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sales@lumexinstruments.com