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 *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 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)

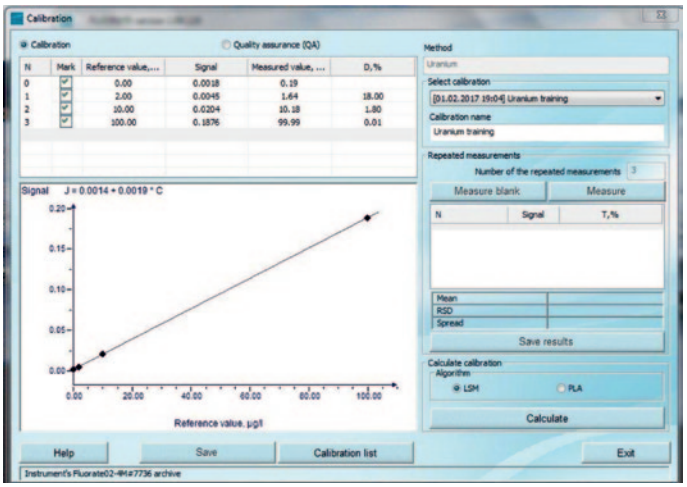
WARRANTY

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)

The information and specifications in this publication are subject to change without notice.

Lumex Instruments Canada
0890278 B.C. Ltd.
Unit 207, 31510 Gill Ave.,
Silver Creek Industrial Park
Mission, B.C., V4S0A1, Canada
Phone: +1 604-820-8085
+1 866-233-6057
E-mail:
sales@lumexinstruments.com
www.lumexinstruments.com

Lumex Analytics GmbH
Naher str., 8
24558 Wakendorf II, Germany
Tel.: +49 (0) 4535 297–756
Fax: +49 (0) 4535 297–783
E-mail: info@lumexanalytics.de
www.lumexanalytics.de

Lumex-Marketing LLC
pr. Obukhovskoy Oborony, 70,
bldg. 2, St. Petersburg 192029,
Russia
Tel.: +7 (812) 718–5390
Fax: +7 (812) 718–5399
E-mail: sales@lumex.ru
Post address:
BOX 1234, St. Petersburg,
190000, Russia
www.lumex.ru

Beijing Lumex Analytical Equipment Co. Ltd.
Level 19, Tower E2, Oriental
Plaza, 1 East Chang An Avenue,
Dong Cheng District,
Beijing 100738, China
Tel.: +86 (10) 6412–9525
Fax: +86 (10) 6242–3844
E-mail:
lumexcn@lumex.com.cn
www.lumexcn.com

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