



HORIBA

Scientific

The best choice for your oil content monitoring

X-ray Fluorescence Sulfur-in-Oil Analyzer SLFA-60



IMO's 2020
Global Sulfur Cap
Compliant !

In 2008, IMO (International Maritime Organization) introduced regulations on the concentration of sulfur in its fuel oil to reduce sulfur oxide (SO_x) emissions from ships as a measure against air pollution. From 2020, the regulated value of sulfur content in fuel oil (current 3.5% or less) in international waters will be strengthened to 0.5% or less based on the forecast of global ship fuel oil demand / supply.

"SLFA-60 Fluorescent X-Ray Sulfur Analyzer" can analyze sulfur content in petroleum products such as heavy oil, naphtha, crude oil, etc. with high sensitivity and high accuracy. It realizes easy operation / external output in a compact robust body, and helps steady analysis work on the ships and/or during voyage.

Easy Operation!

Easily pouring the sample into a dedicated liquid sample cell, and just one push-button operation starts the measurement. The flat oil-resistant seat key facilitates the operation.

Compact & Lightweight!

Compact, lightweight and A4 size body. With the incorporated printer, the measurement results can be printed out on-site or output externally. Ideal for measurements on ship.

Trusted Quality!

The total sales of HORIBA X-ray Fluorescence Sulfur-in-Oil analyzer SLFA series have achieved about 3,000 units, over 30 years. (Since 1987, as of March 2018)



Please watch the features and actual operation with video (SLFA-60/6800 series):

① on your PC
Access "<https://goo.gl/i5LgHU>"

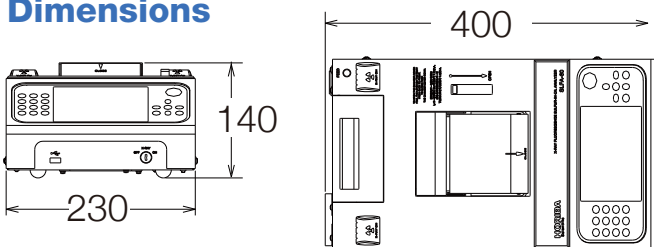
② on your Smartphone
Read the QR code:



Technical Specification

Measurement principle	X-ray Fluorescence Analysis Method
Measurement target	Sulfur in petroleum products such as heavy oil, naphtha, crude oil and light oil
Measurement range	0 - 9.9999%
Repeatability	15 ppm or less (with a 1% sulfur sample)
Calibration curve	Depends on standard sample (2 to 20 calibration points)
Sample cell	Dedicated liquid sample cell
Measurement time	Arbitrary time among 10 - 600 sec
Operating temperature	+ 5 °C to + 40 °C (+ 41 °F to 104 °F)
Operating humidity	80% max relative humidity in temperature range + 5 °C to + 30 °C (+ 41 °F to 86 °F) Linear decrease to 50% relative humidity in temperature range + 31 °C to + 40 °C (+ 88 °F to 104 °F)
Data output	Printout, USB memory stick, USB cable connected to PC
Power supply	AC 100 - 240 V +/- 10%, 50/60 Hz
Power consumption	80 VA
Conformity standard	ASTM D4294 (USA), ISO 8754, JIS K2541/B7995
Dimensions	230 × 400 × 140 mm [W×D×H]
Weight	Approx. 9 kg

Dimensions



Sample Cells



The HORIBA Group adopts IMS (Integrated Management System) which integrates Quality Management System ISO9001, Environmental Management System ISO14001, and Occupational Health and Safety Management System OHSAS18001. We have now integrated Business Continuity Management System ISO22301 in order to provide our products and services in a stable manner, even in emergencies.



Please read the operation manual before using this product to assure safe and proper handling of the product.

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<http://www.horiba.com> e-mail: info@horiba.co.jp

HORIBA, Ltd. Japan

Head Office
2 Miyanohigashi, Kisshoin, Minami-ku, Kyoto, Japan
Phone: 81 (75) 313-8123 Fax: 81 (75) 321-5725

HORIBA (China) Trading Co., Ltd. China

Unit D, 1F, Building A, Synnex International Park, 1068 West Tianshan Road, Shanghai, 200335, China
Phone: 86 (21) 6289-6060 Fax: 86 (21) 6289-5553

Beijing Branch

12F, Metropolis Tower, No.2, Haidian Dong 3 Street, Beijing, 100080, China
Phone: 86 (10) 8567-9966 Fax: 86 (10) 8567-9066

Guangzhou Branch

Room 1611 / 1612, Goldlion Digital Network Center, 138 Tiyy Road East, Guangzhou, 510620, China
Phone: 86 (20) 3878-1883 Fax: 86 (20) 3878-1810

HORIBA Instruments (Singapore) Pte Ltd. Singapore

3 Changi Business Park Vista #01-01, Akzonobel House, Singapore 486051
Phone: 65 (6) 745-8300 Fax: 65 (6) 745-8155

HORIBA Vietnam Co., Ltd. Vietnam

Unit 6, 10 Floor, CMC Tower, Duy Tan Street, Dich Vong Hau Ward, Cau Giay District, Hanoi, Vietnam
Phone: 84 (24) 3795-8552 Fax: 84 (24) 3795-8553

HORIBA KOREA Ltd. Korea

Seoul Branch
10, Dogok-Ro, 6-Gil, Gangnam-Gu, Seoul-Si, 06259, Korea
Phone: 82 (2) 753-7911 Fax: 82 (2) 756-4972

HORIBA India Private Limited India

246, Okhla Industrial Estate, Phase 3 New Delhi-110020, India
Phone: 91 (11) 4646-5000 Fax: 91 (11) 4646-5020

Bangalore Office

No.55, 12th Main, Behind BDA Complex, 6th sector, HSR Layout, Bangalore South, Bangalore-560102, India
Phone: 91 (80) 4127-3637

HORIBA (Thailand) Limited Thailand

393, 395, 397, 399, 401, 403 Latya Road, Somdetchaopraya, Klongsan, Bangkok, 10600, Thailand
Phone: 66 (0) 2-861-5995 ext.123 Fax: 66 (0) 2-861-5200

East Office

850 / 7 Soi Lat Krabang 30 / 5, Lat Krabang Road, Lat Krabang, Bangkok 10520, Thailand
Phone: 66 (0) 2-734-4434 Fax: 66 (0) 2-734-4438

PT HORIBA Indonesia Indonesia

Jl. Jalur Sutera Blok 20A, No.16-17, Kel. Kunciran, Kec. Pinang Tangerang-15144, Indonesia
Phone: 62 (21) 3044-8525 Fax: 62 (21) 3044-8521

HORIBA Instruments Incorporated USA

9755 Research Drive, Irvine, CA 92618, U.S.A.
Phone: 1 (949) 250-4811 Fax: 1 (949) 250-0924

Edison Office

3880 Park Avenue, Edison, NJ 08820, U.S.A.
Phone: 1 (732) 494-8660 Fax: 1 (732) 549-5125

HORIBA Instruments Brasil, Ltda. Brazil

Rua: Presbitero Plinio Alves de Souza, 645, Loteamento Polo Multivias Barirro Medeiros-Jundiai Sao Paulo-CEP 13.212-181 Brazil
Phone: 55 (11) 2923-5400 Fax: 55 (11) 2923-5490

HORIBA FRANCE SAS France

16-18, rue du Canal, 91165, Longjumeau Cedex, France
Phone: 33 (1) 69-74-72-00 Fax: 33 (1) 69-09-07-21

HORIBA Jobin Yvon GmbH Germany

Neuhofstrasse 9, D_64625, Bensheim, Germany
Phone: 49 (89) 62-51-84-750 Fax: 49 (89) 62-51-84-7520

HORIBA ITALIA SRL Italy

Via Luca Gaurico 209-00143, Roma, Italy
Phone: 39 (6) 51-59-22-1 Fax: 39 (6) 51-96-43-34

HORIBA UK Limited UK

Northampton Office
Kyoto Close Moulton Park, Northampton NN3 6FL, UK
Phone: 44 (1604) 542-500 Fax: 44 (1604) 542-699

Bulletin:HRE-0000X