

NEW

WDXRF Sulfur Analyzer

FX-700

Mk2

8.4-inch Full-color Touch Screen

The color touch screen realizes simple operation, and the internal structure has been redesigned, thus enhancing ease of maintenance.



Reusable Sample cell

The standard accessory PTFE sample cells can be used repeatedly. Since the fitting of cups has been adjusted appropriately, film tearing and sample leakage became less likely to occur than before. Also, it is easy to disassemble and clean.

Sample and Operator Name

A virtual keyboard on the touch screen enhances ease of typing. For sample and operator name, a maximum of 10 names each can be pre-registered.

Intuitive Calibration Curve Display

Users can edit the calibration curve during and after curve configuration, achieving intuitive operation. In addition, users can add comments for each curve to help prevent operational errors.

Specification

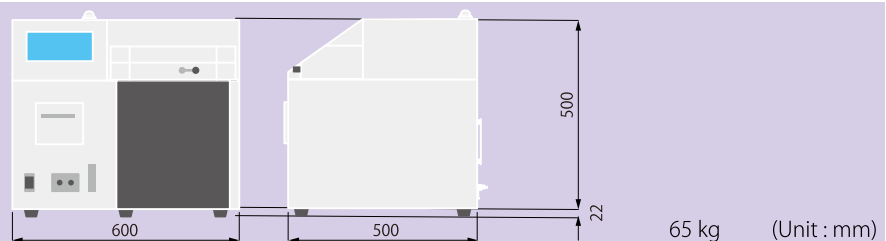
Measurement Principle	Wavelength dispersive X-ray fluorescence analyzer
Test Standard	JIS K2541-7, ISO 20884, ASTM D2622-5
X-ray Source	Air Cooled Small X-ray tube (Approx. 40W), Pd (Rh optional)
Dispersive Crystal	Ge (1.1.1)
Detector	Gas filled sealed proportional counter
X-ray Transmission Path Atmosphere	Helium gas (Purity: > 99.9 %, flow rate : 200 ml/min during measurement)
Sample	Kerosene, gas-oil, gasoline, etc. (Approx. 3 to 5 ml)
Measurement Range	0 to 990 mg/kg
LOD	Approx. 1.5 mg/kg (Typical)
Measurement	Typical measurement time: 300 sec recommended for sulfur and background (Can be changed by 10 seconds from 10 to 990 seconds) Calibration curve : Up to 10 curves of linear or quadratic Calibration drawing : Automatic calculation with up to eight calibration points Test mode : Switchable between two modes BK ON mode : Continuous and successive sulfur count and background count BK OFF mode : Sulfur count only
Display	8.4 inch Full-color touch screen (English or Russian)
Printer	Built-in (Thermal type, W80mm)
Safety Mechanism	Interlocking mechanism : High voltage power supply to the X-ray source is shut down with a buzzer and warning display when the sample cover or the main unit outer panel is opened.
Data Storage	Automatically stores data of the latest 999 tests
I/O port	RS-232C x 1 for LIMS/PC
Installation Site	Temperature : 10 to 30 °C (Daily fluctuation less than 10 °C), Humidity : 70 %RH or less (No condensation)
Power Supply	Voltage and power consumption : Single-phase AC 100-240 V / 300 VA, Frequency : 50/60 Hz, Type C plug, Voltage fluctuation range : Within ± 10 of normal voltage
Size (W × D × H)	600 x 500 x 520 (mm)
Weight	65 kg

Standard Accessories

AC Power cable × 1	Peak Search Sample × 1
Sample Cell Flange × 1set	Blower Brush × 1
PTFE Sample Cell 6-pack × 1	Inlet Fuse (f 5.0×20 mm 10 A 250 V) × 2
Jigs for Assembling Sample Cells × 1	Sample Cell Stand × 1
Sample Leak Checking Plate × 1	Helium Gas Joint (mm) UWVH-6 A × 1
PET Film (2 μm, 140 mm × 1000 m) × 1	Helium Gas Joint (Inch) UWVH-3.2 A × 1
Printer Roll Paper × 1	Helium Gas Joint (Attachment) PC4-01 × 1

Start Up Kit

Certificated Reference Material
(0 wt%, 10 ppm, 20 ppm, 50 ppm, 100 ppm, 200 ppm, 500 ppm, 800 ppm)



Specifications subject to change without prior notice.