

EDXRF Sulfur Analyzer

rx-630SA

Operability improved by adoption of 5' color touch screen.

Thanks to the new GUI, operator can measure sulfur content precisely without training.

rx-630SA determines total sulfur in petroleum products, such as gas oil, fuel oil, crude oil and naphtha, using energy dispersive X-ray fluorescence(EDXRF) method, which is an accurate, non-destructive, economical and yet quick method prescribed in ISO 8754 and ASTM D4294-03.



Sample ID and data storage

By added Sample ID entering function, test result will be printed out with sample ID. rx-630SA has a data storage capability up to 999 test results and reprint previous data any time.

Carousel type sample changer with acrylic cover

X-ray is shielded by a metallic cover moving downward on the objective sample cell. The acrylic cover is for dust protection of sample and measurement area, it may be opened during a test, allowing access to sample cells in the cue.

Tool-free maintenance

By changing the fixed method of the carousel and the sample cell flange, sample leak protection sheet exchange can be done without using screw driver.

EDXRF Sulfur Analyzer RX-630SA

Specification

Test standard	ISO 8754, ASTM D4294 - 03, JIS K 2541 - 4, etc.
Sample	Kerosene, Naphtha, Gas oil, Crude oil, Base oil, etc.
Measuring range	0 to 6 wt%
Measuring time	10 to 990 sec, 1 to 99 times
Precision	LOD (Limit of Detection) = 15 mg/kg LOQ (Limit of Quantitation) = 50 mg/kg
Sample changer	Carousel type 12 - position (sample volume : 3 to 5 ml)
X ray source	Small air - cooled X-ray tube rated 7 kv - 0.2 mA
X-ray detector	Gas-filled sealed proportional counter, long life type
Sample cell	Reusable 2- piece PTFE cup with disposable cell sheet
Automatic calibration	2 - Auto, 3 - Auto, M - Auto (Max. 12) calibration
Automatic correction	C/H correction, Temperature correction, Barometric pressure correction.
Number of calibration curve	3
Printer	Built-in dot matrix type, paper width : 57 mm
Outlet	RS-232C × 1
Data storage	Last 999 test results
Safety	Cut off X-Ray tube power supply by interlock system when X-ray is leaked.
Installation site	10 to 30 °C (with a temperature drift within 10 °C in a day) Relative Humidity : Less than 80 %RH
Size (W × D × H)	555 × 555 × 262 (mm)
Weight	27 kg
Power supply	AC 100 to 240 V 200 VA, 50 / 60Hz



Standard accessories

AC Power Cord × 1
Sample Cell Holder × 12
Spring for Sample Cell Holder × 12
Sample Cell (PTFE Reusable) × 12
Jigs for Assembling / Disassembling Sample Cells × 1
Cell Sheet (200 mm × 1000 m) × 1
Sample Cell Stand × 1
Printing Roll Paper × 3
Spare Printing Ink Ribbon × 1

Start up kit

Certified Reference Material

0.0 wt% , 100 mg/kg , 200 mg/kg , 500 mg/kg , 80 mg/kg , 0.1 wt% , 0.2 wt% , 0.5 wt% , 1 wt% , 2 wt% , 3 wt% and 4 wt%

Specifications subject to change without prior notice.

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