TANAKA
Petroleum Testing & Beyond

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 sheilded 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.

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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 ℃ (with a temperature drift within 10 ℃ 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

CE

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%

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