

XRF OIL ANALYZERS

- According to JJF 1952, GB/T 17040, GB/T 17060, GB/T 380, GB/T 17411 and SH/T 0253
- Used for sulfur analysis of marine fuels, total sulfur testing in petroleum refining, and wear element analysis of lubricants and fuel oil
- Without sample preparation, easy operation
- Low maintenance, no heating devices, quartz tubes or columns
- Without shielding gas
- Equipped with a safe enclosed X-ray sample chamber



XRF-YS16

SPECIFICATION

Code	XRF-YS16	XRF-YC17	XRF-YM20	XRF-YM11
Test element*	S	Cl	Al, Cr, Fe, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Si, Sn, Ti, V, Zn	Cr, Fe, Mn, Mo, Ni, Pb, Sb, Sn, Ti, V, Zn
Collimator	single		multiple	
Detector type	SDD			Si-PIN
Optimal energy resolution	<125eV			<136eV
Detection limit	15ppm			
Accuracy	±8%			
X-ray tube	50kV Max, 200µA Max, maximum excitation power: 4W			
Detection time	30~300s			
Data output	USB, bluetooth			
Working environment	-20~50°C, 20%~80%RH			
Power supply	6000mAh lithium battery			
Dimension (L×W×H)	main unit	200×200×268mm		
	sample chamber	170×130×60mm		
Net weight	4.1kg			

* Can be customized

STANDARD DELIVERY

Main unit	1 pc
Bluetooth printer	1 pc
316 standard sample	1 pc
Lithium battery	2 pcs
XRF polyester film (XRF-YS16-MYLAR)	1 set
XRF sample cup (XRF-YS16-CUP)	1 set
Single-channel pipette (LMP-SC11)	1 pc
Single-channel pipette tip (LMP-SC11-PT)	1 set

Element	Potential sources
Al	piston, bearing, pump, thrust washer
Sb	bearing, grease
Cr	piston rings in internal combustion engines
Fe	shaft, roller bearing, cylinder, gear, piston ring
Pb	bearing, fuel additive, antiwear additive
Mg	transmission, detergent additive
Mo	piston rings, extreme pressure additives
Ni	bearings, valve train, turbine blades
P	antiwear additives, extreme pressure gear additives
Ag	bearing cage (plated), gear teeth, shafts
Si	dust/dirt, antifoam additive
Na	detergent or coolant additive
Sn	journal bearings, bearing cages, welding
Ti	bearing hubs, compressor blades
Zn	neoprene seals, grease, antiwear additives

major wear metals in in-use lubricant