

X-RAY APPARATUS FOR SPECTRAL ANALYSIS SPECTROSCAN MAKS-GVM



SPECTROSCAN MAKS-GVM

WAVELENGTH DISPERSIVE X-RAY FLUORESCENCE (WDXRF) SPECTROMETER IS DESIGNED TO MADE ELEMENT ANALYSIS OF VARIOUS SUBSTANCES UNDER SOLID, POWDER, DISSOLVED CONDITION, AND ALSO APPLIED TO THE SURFACE OR DEPOSITED ON FILTER.

LIST OF ANALYZED ELEMENTS - FROM SODIUM (Na) TO URANIUM (U). DESKTOP SPECTROMETER DOES NOT REQUIRE CONNECTION TO WATER PIPELINE AND GAS SUPPLY.

ANALYTICAL PARAMETERS

RANGE OF DEFINED ELEMENTS	FROM Na TO U
DETECTION LIMITS, L	Na: 0.05%; Mg: 0.02%; FROM AI TO P: 0.005%; FROM S TO U: 0.0005%
RANGE OF DEFINED CONTENT	FROM 3L TO 100%
ENERGY RESOLUTION	9 EV (Si Ka), 60 EV (Fe Ka)

POWER SUPPLY FEATURES

POWER SUPPLY	220 V, 50 Hz
POWER CONSUMPTION FROM 220 V MAINS	850 W

DOES NOT REQUIRE CONSUMABLE GASES, CLOSED COOLING CYCLE (NO WATER SUPPLY REQUIRED)

FEATURES



/ SPECTROMETER IS CONTROLLED VIA BUILT-IN COMPUTER WITH TOUCH SCREEN, DIAGONAL OF 8 INCHES / CAN BE CONNECTED TO SINGLE PC



/ THE ORIGINAL SAMPLE LOADING SYSTEM SIMPLIFIES THE PLACEMENT OF SAMPLES IN SPECTROMETER



/ THE MEASURING DUCT, IN ORDER TO IMPROVE THE SPECTROMETER ANALYTIC FEATURES, IS IN VACUUM, BUT THE ANALYZED SAMPLE REMAINS IN THE AIR, WHICH ENABLES ANALYZING OF LIQUID AND POWDER SAMPLES WITHOUT ADDITIONAL EFFORT

TECHNICAL FEATURES

X-RAY TUBE ANODE VOLTAGE	40 KV
X-RAY TUBE POWER	UP TO 200 W
X-RAY TUBE ANODE MATERIAL	Pd
SPECTRUM LINE SELECTING METHOD	DIFFRACTION ON CRYSTAL
X-RAY OPTIC SCHEME	ACCORDING TO JOHANN
CRYSTAL ANALYZERS	LIF(200), C(002), PET, KAP (RBAP)
SAMPLE AUTOMATIC CHARGER	AUTOMATIC FOR 10 SAMPLES, 2 SAMPLES WITH ROTATION
INTERFACE WITH PC	USB



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SOLVABLE PROBLEMS

/ ANALYSIS OF STEELS AND ALLOYS, METALLURGICAL INDUSTRY PRODUCTS
/ ANALYSIS OF WATER, SOIL, WORKPLACE AIR AND VENTILATION EMISSIONS
/ ANALYSIS OF GEOLOGICAL SAMPLES, PRODUCTS OF ORE PROCESSING
/ ANALYSIS OF PETROLEUM AND PETROLEUM PRODUCTS FOR CONTENT OF
HEAVY METALS, SULFUR, ORGANIC CHLORINE

/ ANALYSIS OF OILS FOR DETERMINATION OF WEAR PRODUCTS
AND CONTENT OF ADDITIVES, ANALYSIS OF LUBRICANTS AND CATALYSTS
/ ANALYSIS OF REFRACTORIES, GLASS, BUILDING MATERIALS
/ CONDUCTING OF FORENSIC, MEDICAL, CRIMINALISTIC EXAMINATIONS
/ APPLICATION FOR RESEARCH AND EDUCATIONAL PURPOSES.

DELIVERY PACKAGE INCLUDES

SPECTROMETER IS DELIVERED WITH THE NECESSARY METHODOLOGICAL
SUPPORT, CONSUMABLES AND ADDITIONAL EQUIPMENT FOR SAMPLE
PREPARATION AS COMPLEX WHICH ENABLES TO SOLVE THE SUSTAINED
ANALYTICAL PROBLEM.

PURCHASING THIS SPECTROMETER, THE USER GETS ALL THE NECESSARY TO
MADE ANALYSIS.

METHODOLOGICAL SUPPORT MAY BE REPRESENTED BOTH AS MEASUREMENT
METHOD, FOR SOLVING FREQUENT TASKS, AND GRADING BY STANDARD
SAMPLES, FOR SOLVING OF ANY TASKS.

INSTRUMENT DELIVERY PACKAGE INCLUDES PRIMARY VERIFICATION
CERTIFICATE, SOFTWARE FOR QUALITATIVE AND QUANTITATIVE ANALYSIS
AND THE NECESSARY ACCESSORIES.

CERTIFICATION

INSTRUMENTS ARE LISTED IN THE RF NATIONAL REGISTER OF MEASURING
INSTRUMENTS UNDER No. 58305-14.

MANUFACTURED AS PER TS 4276-001-23124704-2001 "X-RAY
MACHINES FOR SPECTRAL ANALYSIS SPECTROSCAN MAKS".

INSTRUMENTS ARE COMPLETELY RELEASED FROM RADIATION CONTROL,
ACCOUNTING AND DO NOT REQUIRE ANY LICENSE TO WORK WITH THEM.