

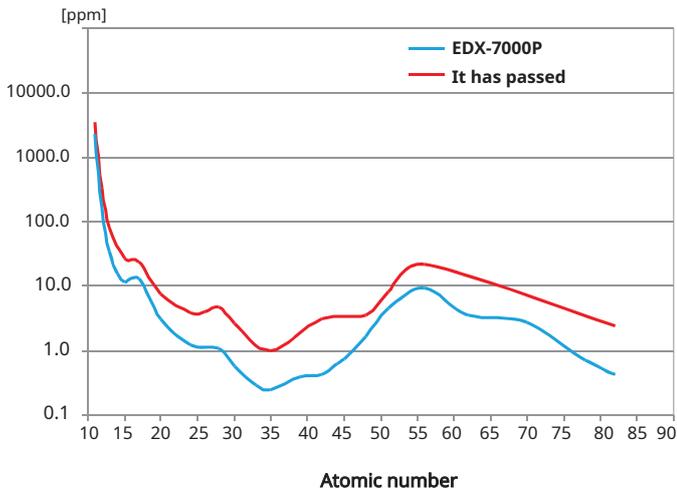
• For qualitative and quantitative elemental analysis

ENERGY DISPERSIVE X-RAY FLUORESCENT SPECTROMETER

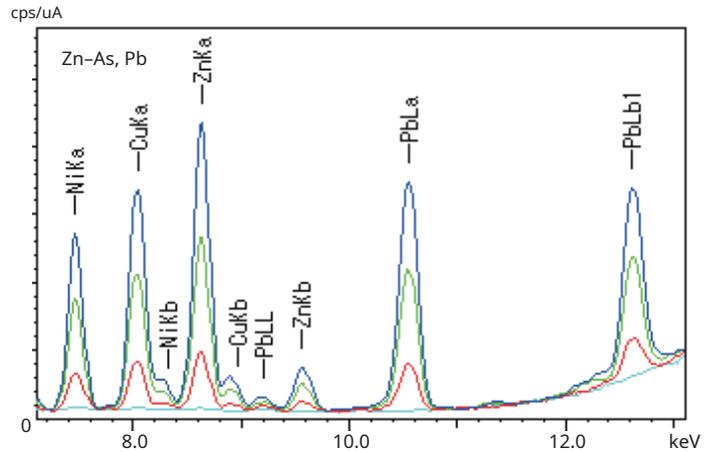
EDX-7000/8000



Limits of detection in a light matrix

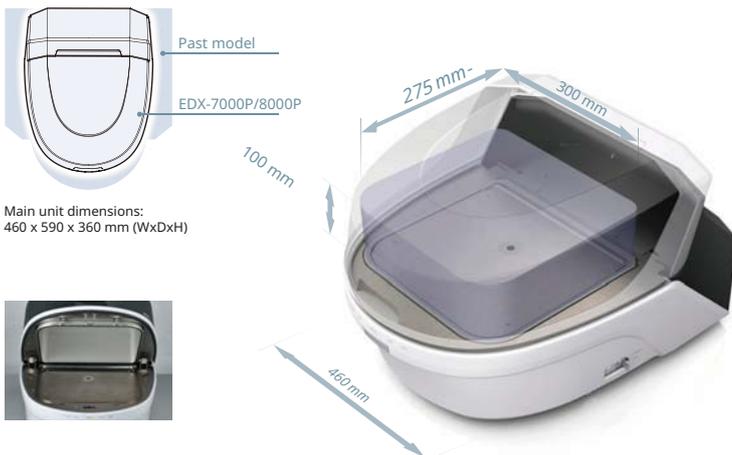


Heavy elements in waste oil



A standard sample of used oil containing 50 ppm, 30 ppm, 10 ppm elements to be determined and a blank sample

Compact design, large sample chamber

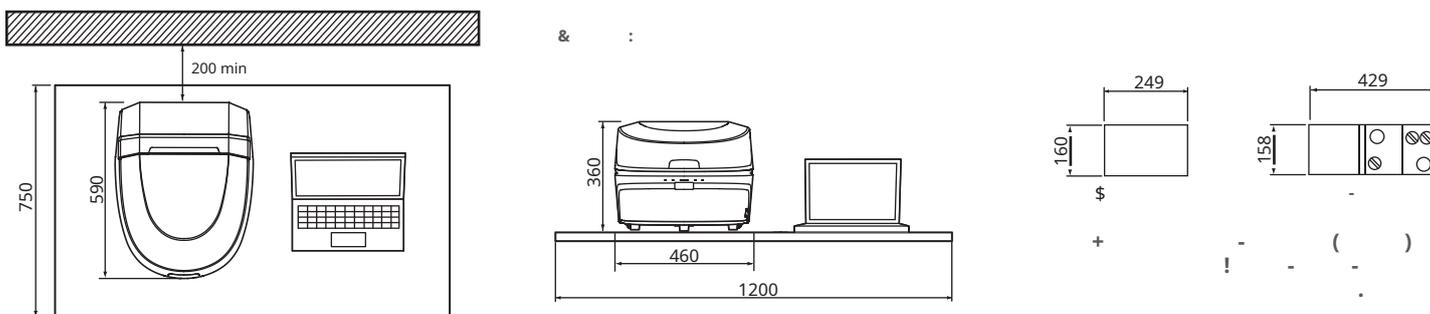


Main unit dimensions:
460 x 590 x 360 mm (WxDxH)

Software For beginners and experts



Installation example



Technical characteristics

Basic specification

The range of defined elements	^{11}Na - ^{92}U (EDX-7000P), ^{6}C - ^{92}U (EDX-8000P)
Range of determined concentrations	from parts ppm to 100%
Types of analyzed samples	solids, liquids, powders, pastes, granules, filters, thin films, coatings, etc.
Sample sizes	up to 300 mm (width) x 275 mm (depth) x 100 mm (height)

X-ray generator

X-ray tube	Rh anode
High-voltage	4-50 kV
Current	1-1000 μA
Cooling	air (using a fan)
Irradiated sample area	a choice of 4 options: a circle with a diameter of 1, 3, 5 or 10 mm; automatic change
Primary filters	5 types (6 positions, including one position without a filter); automatic change

X-ray generator

Type	silicon drift detector (SDD)
Method of cooling	thermoelectric cooling

Sample chamber

Analysis atmosphere	air, vacuum ¹⁾ , helium ²⁾
Changing the sample	12-position autosampler
Observation of the sample	CMOS camera

Software

Qualitative analysis	measurement/analysis
Quantitative analysis	calibration curve method matrix correction fundamental parameter (FP) method FP method - film analysis FP method with background allowance screening for hazardous elements according to the RoHS directive
Search by database	intensity/content
Utilities	automatic calibration function control function of the device blocks the function of preparing reports based on the results of the analysis

Dimensions of the spectrometer 460 mm (width) x 590 mm (depth) x 360 mm (height), weight about 45 kg

1) Option for EDX-7000P/8000P

2) Option for EDX-7000P



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