

Portable X-ray Fluorescence Analyzer

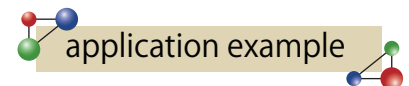
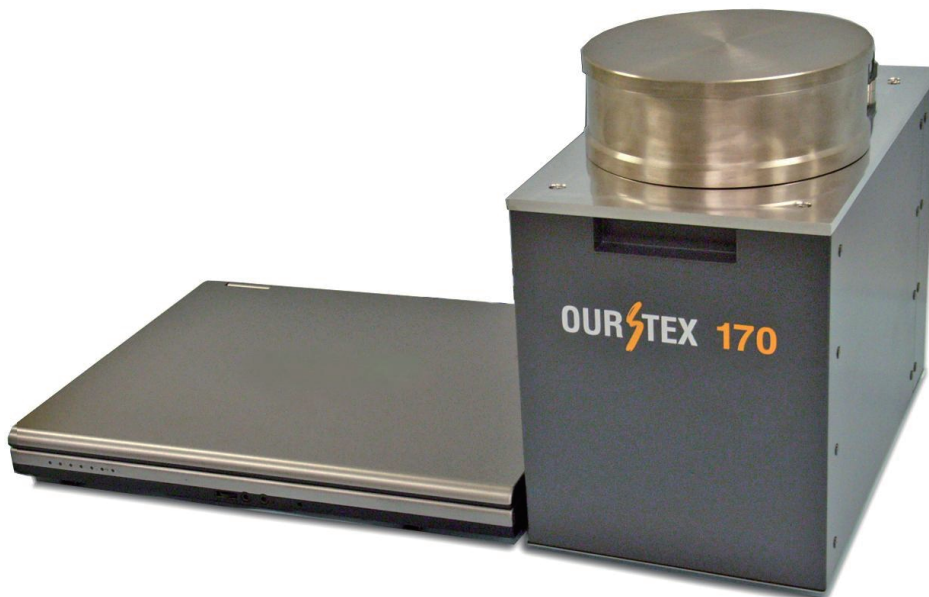
OUR[⚡]TEX 170

NEW

Features

1. Weight as light as 9kg only ! movable easy even by female staff
2. AC100V only for utility designed as saving-energy (1/5 vs conventional type)
3. Realized reasonable price by concentrating simple function
4. Easy customization possible according to application
5. With SDD installed, no liquid nitrogen or cooling water required

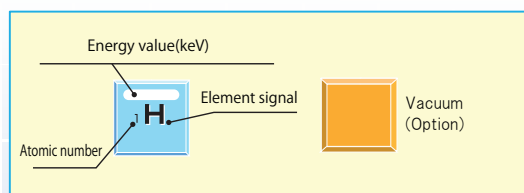
Small-sized , Light-weighted and High-sensitivity Analyzer
Now available at low price for specific application



application example

- Analysis of precious metal composition
- Control of slug alkali content in the slug
- Analysis of hazardous heavy metal, according to RoHS instruction
- Analysis of RPF(new type of solid fuel)
- Analysis of hazardous heavy metal in the soil etc....

1H																		2He																	
3Li		4Be																		5B		6C		7N		8O		9F		10Ne					
1.041 11Na		1.253 12Mg																		1.486 13Al		1.740 14Si		2.013 15P		2.307 16S		2.621 17Cl		2.956 18Ar					
3.312 19K		3.690 20Ca		4.088 21Sc		4.508 22Ti		4.949 23V		5.411 24Cr		5.894 25Mn		6.399 26Fe		6.924 27Co		7.471 28Ni		8.039 29Cu		8.629 30Zn		9.241 31Ga		9.875 32Ge		10.530 33As		11.206 34Se		11.907 35Br		12.631 36Kr	
13.373 37Rb		14.140 38Sr		14.931 39Y		15.744 40Zr		16.581 41Nb		17.441 42Mo		18.325 43Tc		19.233 44Ru		20.165 45Rh		21.122 46Pd		22.102 47Ag		23.107 48Cd		24.137 49In		25.191 50Sn		26.272 51Sb		27.378 52Te		28.509 53I		29.667 54Xe	
30.852 55Cs		4.464 56Ba		Lanthanoid 57-71		7.893 72Hf		8.139 73Ta		8.390 74W		8.644 75Re		8.903 76Os		9.166 77Ir		9.433 78Pt		9.703 79Au		9.978 80Hg		10.257 81Tl		10.540 82Pb		10.826 83Bi		11.118 84Po		11.413 85At		11.712 86Rn	
12.015 87Fr		12.324 88Ra		Actinoid 89-103		104Rf		105Db		106Sg		107Bh		108Hs		109Mt																			
				Lanthanoid		4.648 57La		4.837 58Ce		5.031 59Pr		5.227 60Nd		5.430 61Pm		5.632 62Sm		5.842 63Eu		6.053 64Gd		6.269 65Tb		6.490 66Dy		6.715 67Ho		6.943 68Er		7.174 69Tm		7.409 70Yb		7.649 71Lu	
				Actinoid		12.695 89Ac		12.951 90Th		13.271 91Pa		13.595 92U		93Np		94Pu		95Am		96Cm		97Bk		98Cf		99Es		100Fm		101Md		102No		103Lr	



CONCENTRATION OF ELEMENTAL TECHNOLOGIES WITH HIGH-SENSITIVITY AND HIGH-PRECISION

The energy dispersive X-ray fluorescence analyzer irradiates a primary X-ray to a sample from its X-ray tube. The fluorescent X-ray generated by the analyzer is measured with a semi-conductive detector. Then you can conduct nondestructive qualitative and quantitative analyses of a sample, regardless of its shape.

With use of electronic cooling system Silicon Drift Detector (SDD) for semiconductor detection needing no liquid nitrogen, you can attain analysis of a high count rate and high resolution power in combination with Digital Signal Processor (DSP).

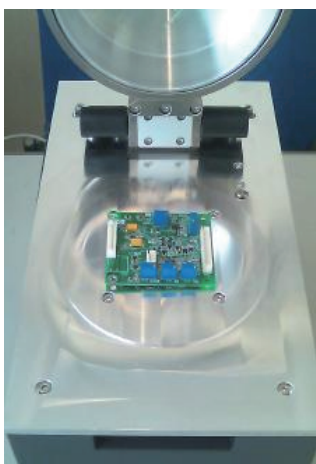
In order to enhance analytical performances, the analyzer is prepared to satisfy the conditions for optical excitation what can maximize energy resolution power and count sensitivity.

with OURSTEX 170

Maintaining Ourstex established technology of high-sensitivity and high-precision, we have now achieved the reasonable price to purchase easy as the result of simplifying the function and excess portion. Pursuing the type of compactness we have also succeeded to achieve light weight product with total weight as light as 9 kg which is easy carried and moved by only one female staff.



Easy to carry for on-site measurement.



Even a large sample can be measured as it is.

Specifications

Analytical principle	Energy Dispersive X-ray Fluorescence Analyzer
Analytical object	solid, powder and liquid
Element to be analyzed	Na~U (Na~Ar)
Filter	Primary filter / Secondary filter (option)
Shape of sample chamber	165mmφ × 60mmH
Environment of sample chamber	Atmospheric
Rated X-ray output	50kV 0.2mA(MAX)
Detector	Electronic cooling Silicon Drift Detector
Counting circuit	Digital processing type
Conditions of use	Temperature 5~27°C
	Humidity 20~75%
	Power supply AC100 ~240V 1A(50/60Hz)
	Facility Grounding Class D
Other (optional)	Vacuum pump, C-MOS camera, FP Method, PC, Carrying case

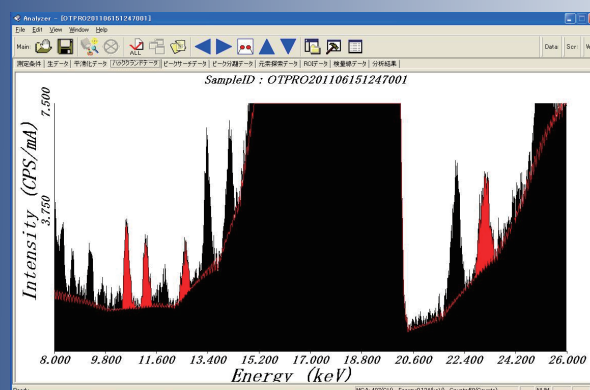
Before an implementation of OURSTEX 170, a notification to Labor Standards Supervision Office is required.

! For your correct and safe use, please be sure to read the operation manual in advance.

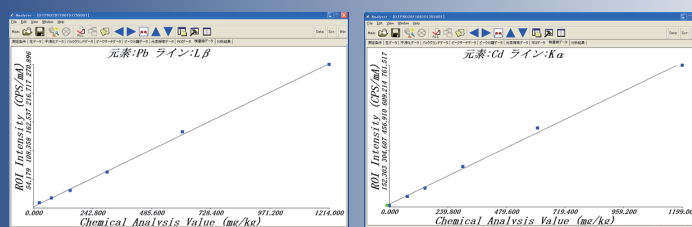
Contact for Inquiry

Example of analysis

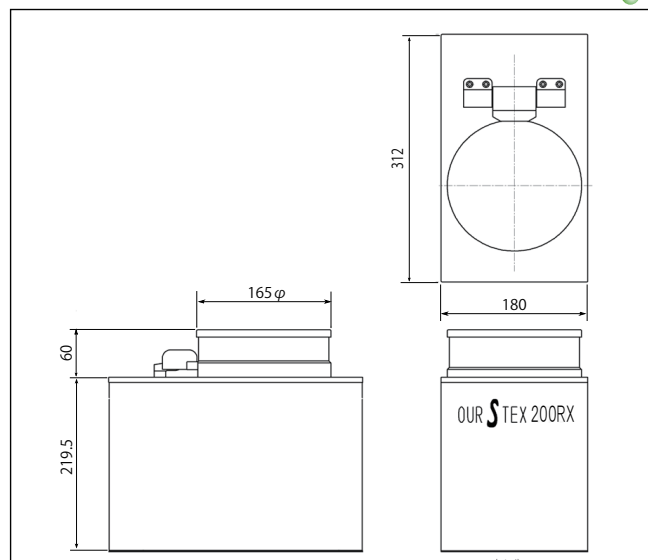
Spectra of heavy elements analysis in soil



Calibration curve of Pb/Cd



Dimensional drawing



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