

EDX Pocket III

Портативный рентгенофлуоресцентный спектрометр

- Анализ сталей и сплавов
- Анализ минералов и руд
- RoHS анализ



Портативный рентгенофлуоресцентный анализатор



Создание Индустриального Парка
Аналитических Измерительных Приборов
компания Skyray Instrument

2008

Значительное расширение спектра
выпускаемого оборудования

2007

Skyray Instrument - No 1 в мире
по уровню продаж РФА спектрометров

2006

Открыт и представлен в России

2005

Основание международной
сети представителей

1999

Модернизация компании

1998

Разработка первого РФА спектрометра

1993

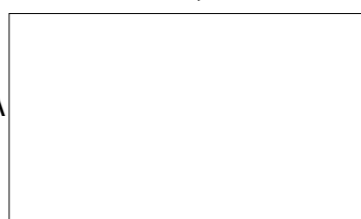
Основание компании

1992

Россия

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+7 (495) 9917659
сайт: www.skyrays.ru
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Региональный представитель



США

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E-mail: sales@skyray-instrument.com

Precision Instruments SKYRAY Elaborates



1992 Skyray Instrument Inc

Skyray Instrument Inc

RoHS WEEE (EN71-3),

Skyray Instrument -

Skyray

EDX Pocket III

EDX Pocket III -

EDX Pocket

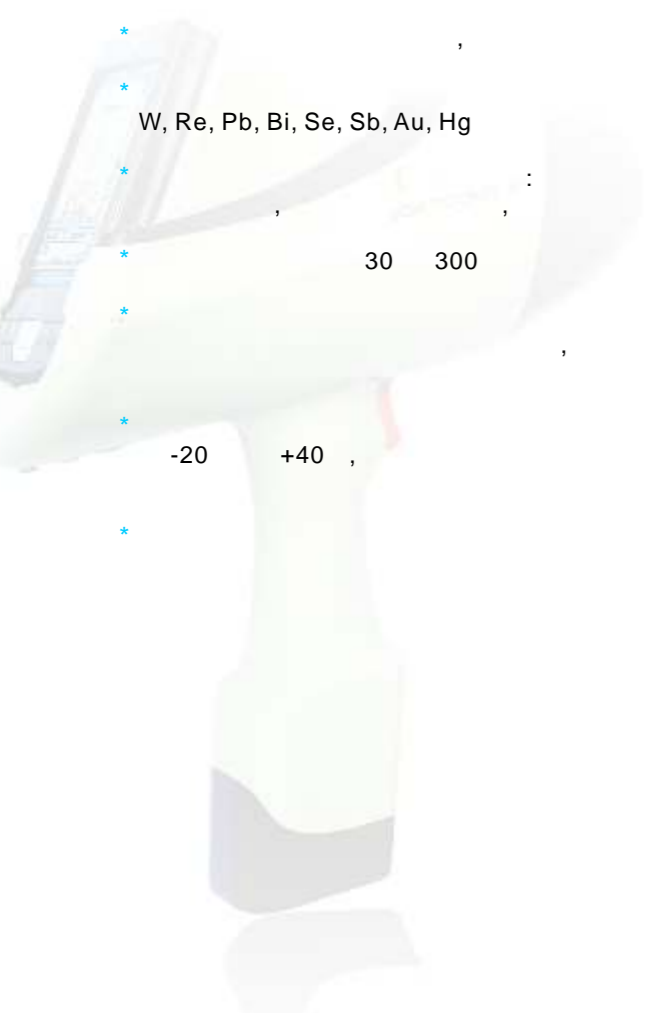
RoHS



EDX-Pocket III

EDX Pocket III

- * EDX Pocket III -
- *
- *
- * GPS
- * SD
- *
- *
- *
- *
- * W, Re, Pb, Bi, Se, Sb, Au, Hg : Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Zr, Nb, Mo, Sn, Hf, Ta,
- * 30 300
- * -20 +40
- * 3-4



EDX Pocket III

	S - U		
		Si-PIN	
		40 / 50	Ag / W
		Bluetooth,	Windows CE, email
	SD	SD card reader	PC
			8
	1,4	()	
	260 X 325 X 125	()	
		: -20 +40	
	SD card reader,	4000	110/220 , SD
		()	,

EDX Pocket III

EDX Pocket III

- * Cr: 13%
- * Mg:
- * Mo:
- * Ni:
- * Si:
- * V:



EDX Pocket III

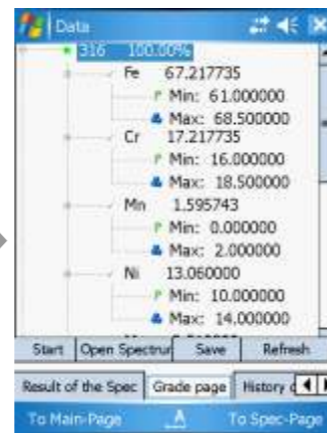
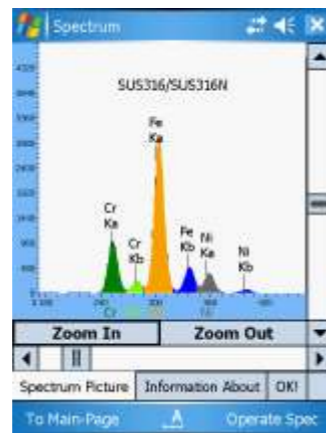


(NF), (BS), (AISI, UNS, ASTM), (JIS), (Ss14), (GB) EDX Pocket
 : Al, Ti, Cr, Mn, Fe,
 Co, Ni, Cu, Zn, Se, Zr, Nb, Mo, Pd, Cd, In, Sb, Hf, Ta, Pt, Pb,
 Ag, Sn, Bi, Au



EDX Pocket III

: Cr, Mn, Ni, Mo, Ti,



SUS316J1/SUS316J11

: Fe, Cr, Ni, Mo, Mn

30

316.

Element	Range (%)	Value 1	Value 2
Cr	16%~18%	17.07	17.22
Mn	0~2%	1.14	0.79
Fe	66%~72%	65.57	65.6
Ni	10%~14%	12.1	12.08
Cu	0~0.8%	0.073	0.054
Mo	2%~3%	2.92	2.92
Ti	0~0.05%	0.032	0.045
V	0~0.055	0.036	0.053
Co	0~0.1%	0.081	0.074
Al	0.00	0.00	0.05
Zn	0.00	0.00	0.00
Se	0.00	0.00	0.00
Zr	0.00	0.00	0.00
Nb	0.00	0.00	0.00
Pd	0.00	0.00	0.00
Ag	0.00	0.00	0.00
Cd	0.00	0.00	0.00
In	0.00	0.00	0.00
Sn	0.00	0.00	0.00
Sb	0.00	0.00	0.00
Hf	0.00	0.00	0.00
Ta	0.00	0.00	0.00
Pt	0.00	0.00	0.00
Au	0.00	0.00	0.00
Pb	0.00	0.00	0.00
Bi	0.00	0.00	0.00

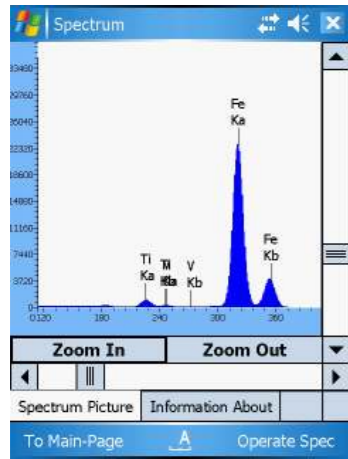
EDX Pocket III

EDX Pocket III



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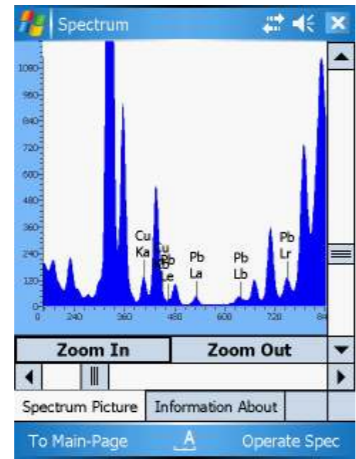
EDX Pocket III



GBW07224

Element	Intensity	Content
Cr	5.11	0.0243
Fe	355.955	11.9
Ni	9.909124	0.0087
Cu	9.690593	0.0011
Zn	48.669674	0.0165
Ba	8.81	0.076
Pb	5.78	0.0066
V	4.805	0.019
Zr	27.215	0.0524
As	1.505	0.001029

Fe, Ba, Zr, Ca



GBW07318

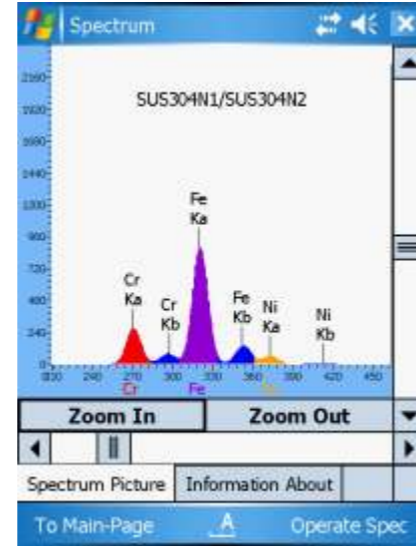


EDX Pocket III

EDX Pocket III

- * Al, Zn, , Hg, Mo, Ni; - Cu,
- * ,
- * ,

EDX Pocket III



Data

Element	Intensity	Content
Cr	193.05	19.513111
Fe	654.203495	70.939709
Mn	22.601495	2.076465
Ni	58.2	7.460715
Cu	3.155911	ND
Mo	23.277595	ND

Result of the Spec, History of the Mode

To Main-Page, To Spec-Page

Fe, Cr, Ni, Mn



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Au, Ag, Ru, Rh, Pd, Os, Ir, Pt,

Skyray EDX Pocket III



Au, Pt, Ag

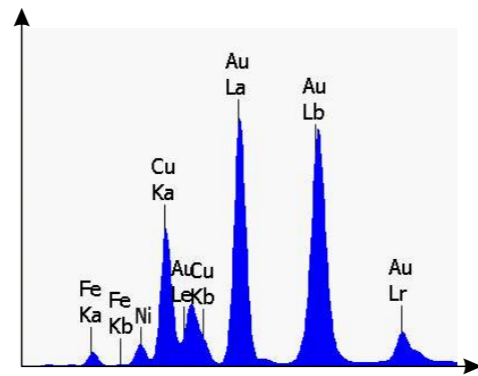
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EDX Pocket III

EDX Pocket III

GB 1887 (GB/T 18043 -)



Au	0.484258	74.492227
Cu	0.196015	15.420389
Ni	0.122583	6.225294
Fe	0.090834	1.902314
Zn	0.080972	1.535448
Ag	0.012456	0.316642

: Au, Zn, Ni, Ag Cu,
Au - 74.495%



18

18	Au ≥ 750%	18K, G18K, G750, Au750
	Au ≥ 990%	Pure gold, G990, Au990
999	Au ≥ 999%	Gold999, G999, Au999
	Ag ≥ 925%	S925, Ag925
990	Ag ≥ 990%	S990, Ag990
Pt900	Pt ≥ 900%	Pt900
Pt950	Pt ≥ 950%	Pt950
Pt990	Pt ≥ 990%	Pt990
Pd950	Pd ≥ 950%	Pd950
Pd990	Pd ≥ 990%	Pd990

		34 kf	18kf
			10
		18KGP	24KG
Ti			



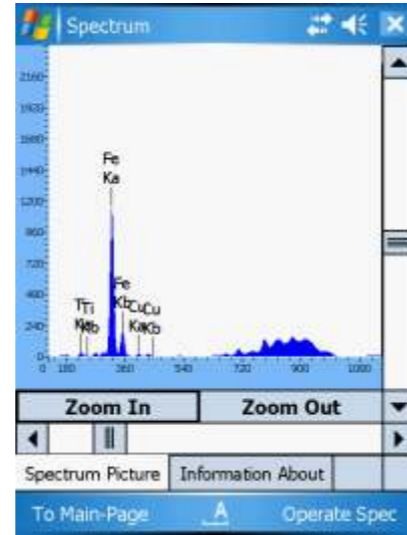
EDX Pocket III

Hg, Cd, Pb, As, Cu, Zn, Ni, Co, V.

EDX Pocket III

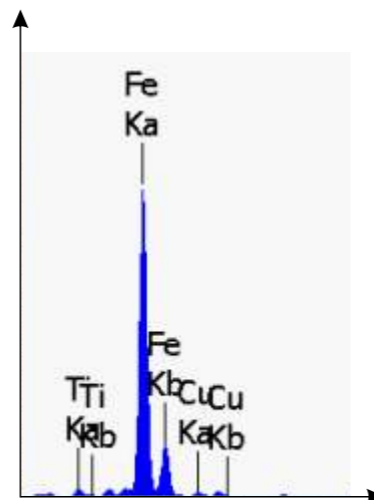


EDX Pocket III



Element	Intensity	Content
Ca	0.011259	0.528252
Ti	0.028632	0.918795
V	0.005475	0.017697
Cr	0.040963	0.082305
Mn	0.048252	0.033808
Co	0	0
Fe	1.68686	6.339775
Ni	0.021085	0.001014
Cu	0.030997	0.011775
Zn	0.03379	0.017276
Br	0.00825	0
Zr	0.103853	0.105714

: Fe, Ti, Ca, Zr, Cr, Mn



EDX Pocket III

RoHS

RoHS
 RoHS
 Br+Cl - 0.15% (1500ppm).
 Pb, Hg, Cr, PBB, PBDE
 0.1% (1000ppm) Cd 0.01% (100ppm).
 IEC 61249-2-21,
 0.09% (900ppm), Cl - 0.09% (900ppm)

Skyray Instrument Inc

Series

EU Toy, EDX Pocket

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EDX Pocket III

RoHS

(/)	(/)
Cd	100
Pb	1000
Hg	1000
Cr ⁶⁺	1000
PBBs	1000
PBDEs	1000
Br	900
Cl	900
Br+Cl	1500

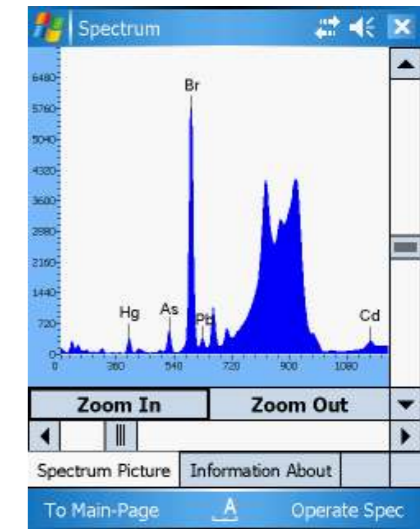
Pb	
	Pb
	Pb
Fe, Al, Cu	Pb
	PVC
	Pb
Cd	
	Cd Ni-Cd
Hg	
	Hg
Cr ⁶⁺	
PBBs & PBDEs	

RoHS WEEE
2002/95/EC (RoHS)
1 2006 13 (WEEE). 2005 WEEE, RoHS



EDX Pocket III

RoHS



Element	Intensity	Content
Br	494.715	808
Cd	14.295	140.8
Hg	24.4	25.3
Pb	13.905	107.6
As	34.62	30.9

Cd
Br
RoHS:
Cd - 140.8 ppm > 100 ppm
WEEE:
Br 808 ppm < 1500 ppm



➤ EDX 6000B

: Na U
 : 1ppm-99.99%
 : 24
 : 0.05% (96%)
 : 11

16-



➤ EDX 3000D RoHS

: S U
 : 1ppm-99.99%
 Cd/Pb/Cr/Hg/Br RoHS - 1ppm.
 155±5 eV
 3-D
 : 24 450 90
 , SNE



➤ WDX-200

: Na U
 : 10 1024-
 : 5
 : 0.003 KPa
 AC220V
 : 0.05%



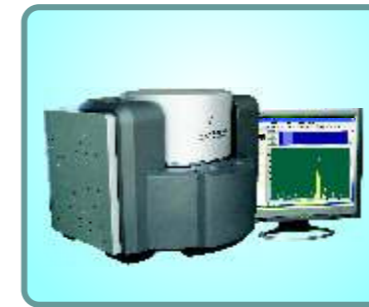
➤ EDX2800

EN71-3: Pb, As, Sb, Ba, Cd, Cr, Hg, Se.
 : S U
 : 1ppm-99.99%
 : 1 ppm
 : 165±5



➤ EDX3600

: Na U
 : 24
 : 1ppm-99.99%
 : 0.005



➤ EDX3600B

: Na U
 : 1ppm-99.99%
 : 24
 : 0.05% (96%)
 UHRD
 RoHS



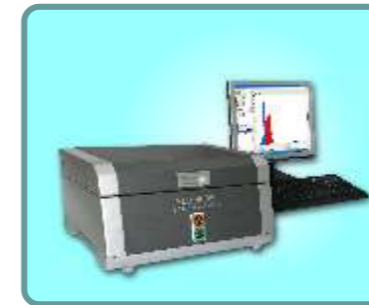
➤ EDX Portable-I

: K U
 : 8



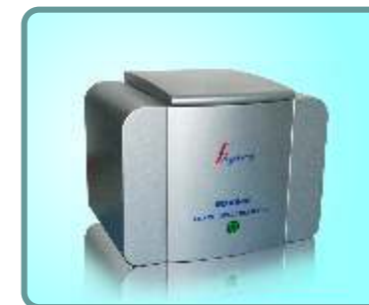
➤ Thick 800

: K U;
 : 0.005
 : 11



➤ EDX600B

: 0.1% (96%) (Au, Ag, Pt, Pd, . . .)
 : 1ppm-99.99%
 : 1ppm



➤ EDX600

: Cu Au Pt Pd Ag
 : 0.1%
 : 15-30
 : 70%
 : 60-100
 : AC 220