

RAPID Software

for RA-915 Series Zeeman mercury analyzers



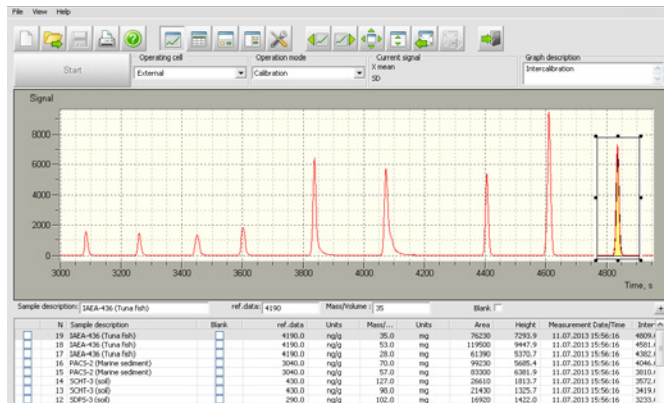
RAPID



RAPID software is designed for laboratory, multifunctional, and portable mercury analyzers of the RA-915 series to support comprehensive mercury measurement in air, solid and liquid samples of any composition. It fully complies with FDA 21 CFR part 11 requirements and provides routine operation as well as custom research solutions.

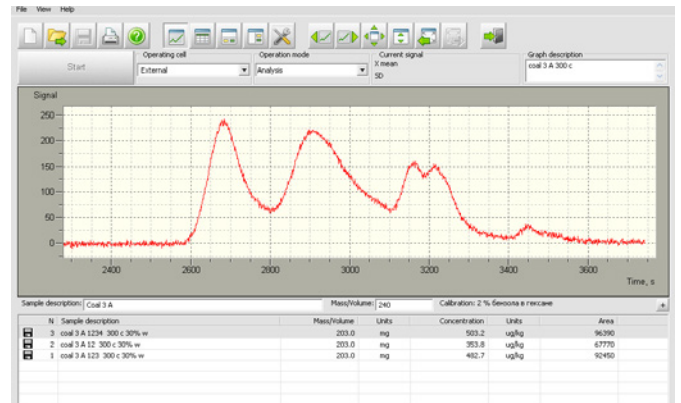
FEATURES AND ADVANTAGES

- Intuitive operation
- Automatic quality control of hardware and analytical data
- Flexibility in operation with all attachment and autosampler
- Optimal standard modes for analysis of complex matrices
- Adjustable thermoscanning option
- Realtime visualization of analytical signal, non-selective absorbance, and other parameters
- Automatic data processing and saving in databases



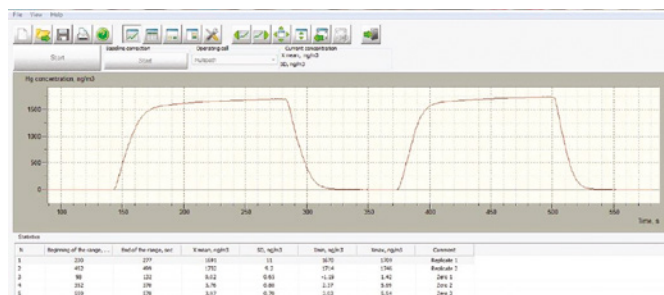
Liquid & Solid Samples Analysis

Fast, clear, and simple



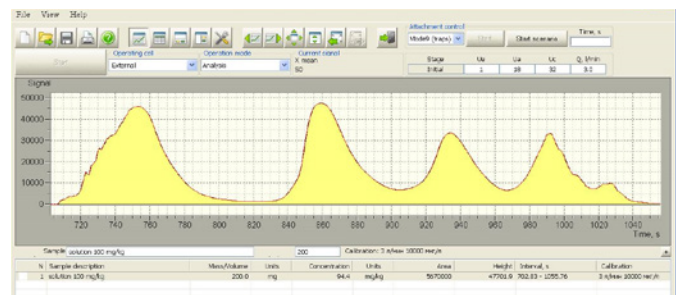
Thermo-scanning

Comprehensive information about mercury, its species and their conversion



Air & Natural Gas Analysis & Monitoring

Flexible and convenient

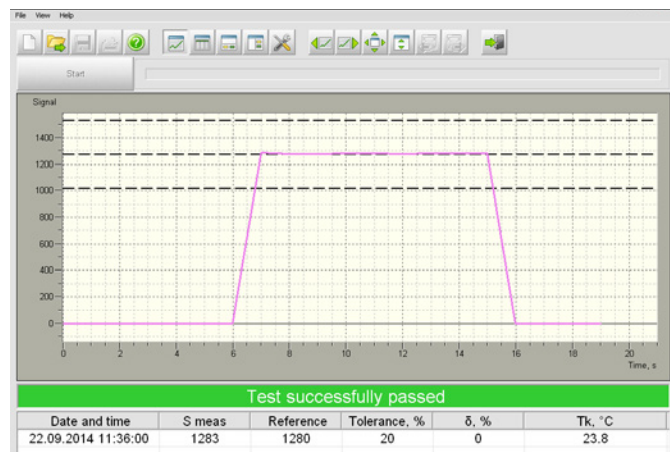


Closed-loop Automatic Temperature Adjustment

Control for Dynamic Range Enlargement

Analysis of samples with high mercury concentration, up to 2,000 mg/kg

QA/QC & DATA MANAGEMENT



Instrument Check-up

Fully automated self-verification procedure

View period: ☐ Show ☐ Customize

from: 05.06.2015 to: 09.06.2015

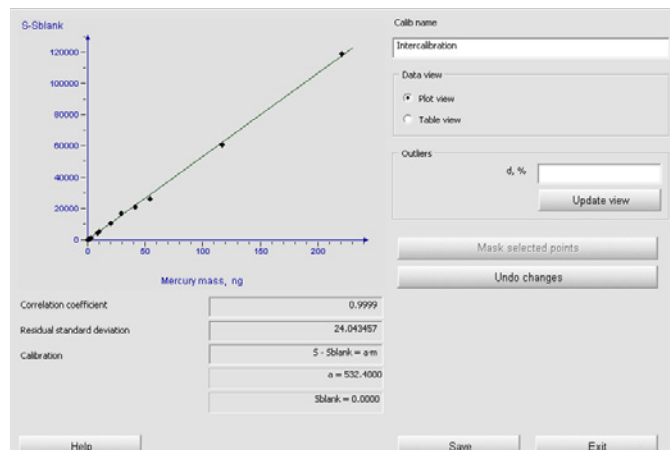
Cell: External

Statistics More

N	Sample description	Mass/Volume	Concentration	Units	Calculated
653	Coal, Span, Emma12345	210.0 mg	422.1	µg/g	09.06.2015 15:58:07
652	Coal, Span, Emma 1234	210.0 mg	313.5	µg/g	09.06.2015 15:58:03
651	Coal, Span, Emma 123	210.0 mg	239.0	µg/g	09.06.2015 15:57:55
650	Coal, Span, Emma 1	210.0 mg	41.6	µg/g	09.06.2015 15:57:51
649	Coal, Span, Emma 12	210.0 mg	179.2	µg/g	09.06.2015 15:57:39
648	coal 3 A 1234 300 c 30% w	203.0 mg	503.2	µg/g	09.06.2015 15:02:28
647	coal 3 A 12 300 c 30% w	203.0 mg	353.9	µg/g	09.06.2015 15:02:15
646	coal 3 A 123 300 c 30% w	203.0 mg	482.7	µg/g	09.06.2015 15:01:31
645	coal 3 A 1 300 c 30% w	203.0 mg	137.3	µg/g	09.06.2015 17:57:07
644	coal 3 A 1 300 c	260.0 mg	112.5	µg/g	09.06.2015 17:55:36
643	coal 3 A 12 300 c	260.0 mg	328.6	µg/g	09.06.2015 17:55:31
642	coal 3 A 123 300 c	260.0 mg	449.5	µg/g	09.06.2015 17:55:26
641	coal 3 A 1234 300 c	260.0 mg	475.5	µg/g	09.06.2015 17:55:14
640	pyrite X 1 300 c 1234	200.0 mg	475.1	µg/g	04.06.2015 17:52:05
639	pyrite X 1 300 c 123	200.0 mg	426.2	µg/g	04.06.2015 17:50:55
638	pyrite X 1 300 c 12	200.0 mg	166.6	µg/g	04.06.2015 17:50:38
637	pyrite X 1 300 c 1	200.0 mg	59.5	µg/g	04.06.2015 17:38:08
636	sludge Red Forest 123	204.0 mg	1773.0	µg/g	04.06.2015 17:17:09
635	sludge Red Forest 12	204.0 mg	1730.0	µg/g	04.06.2015 17:17:04
634	sludge Red Forest 1	204.0 mg	1074.0	µg/g	04.06.2015 15:56:51
633	pyrite X 12345	292.0 mg	537.6	µg/g	04.06.2015 15:03:22
632	pyrite X 1234	292.0 mg	342.4	µg/g	04.06.2015 15:03:10
631	pyrite X 123	292.0 mg	365.5	µg/g	04.06.2015 15:02:44
630	pyrite X 12	292.0 mg	141.9	µg/g	04.06.2015 15:02:38
629	pyrite X 1	292.0 mg	9.7	µg/g	04.06.2015 15:01:45
628	coal 3A 12345	220.0 mg	470.7	µg/g	03.06.2015 17:13:20
627	coal 3A 1234	220.0 mg	464.7	µg/g	03.06.2015 17:12:50
626	coal 3A 123	220.0 mg	425.9	µg/g	03.06.2015 17:12:43
625	coal 3A 12	220.0 mg	255.5	µg/g	03.06.2015 17:05:49
624	coal 3A 1	220.0 mg	65.1	µg/g	03.06.2015 17:00:08

Measurement Database

Browse, process, and report data



Calibration

Create, browse, and apply to your data

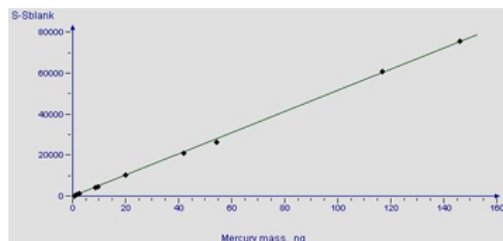
REPORT

Report created: 09.06.2015 16:28:24

Instrument RA915+: Serial number 0353

Calibration created: 09.06.2015 16:28:17

Calibration name: Intercalibration



Results

N	Mercury mass, ng	S-Blank	Ref.data, ng/g	Calculated, ng/g	d, %
1	146.65	78230	4190.0	4203.8	0.3
2	117.32	61390	4190.0	4232.1	1.0
3	54.61	28610	430.0	404.4	-5.9
4	42.14	21430	430.0	422.1	-1.8
5	20.20	10650	100.0	101.7	1.7
6	9.65	4877	91.0	88.8	-2.4
7	8.64	4278	91.0	86.8	-4.5
8	2.86	1435	26.0	25.2	-3.1
9	1.74	865	26.0	24.8	-4.1
10	0.70	333	10.0	10.0	-7.9

Calibration: S - Sblank = a m

Algorithm: LSM

Correlation coefficient: 0.999980

Residual standard deviation: 13.895110

Coefficient: a = 518.1000

Documentation Process

Customizable templates for data reporting



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The information and specifications in this publication are subject to change without notice.

25LEN08.10.01-1