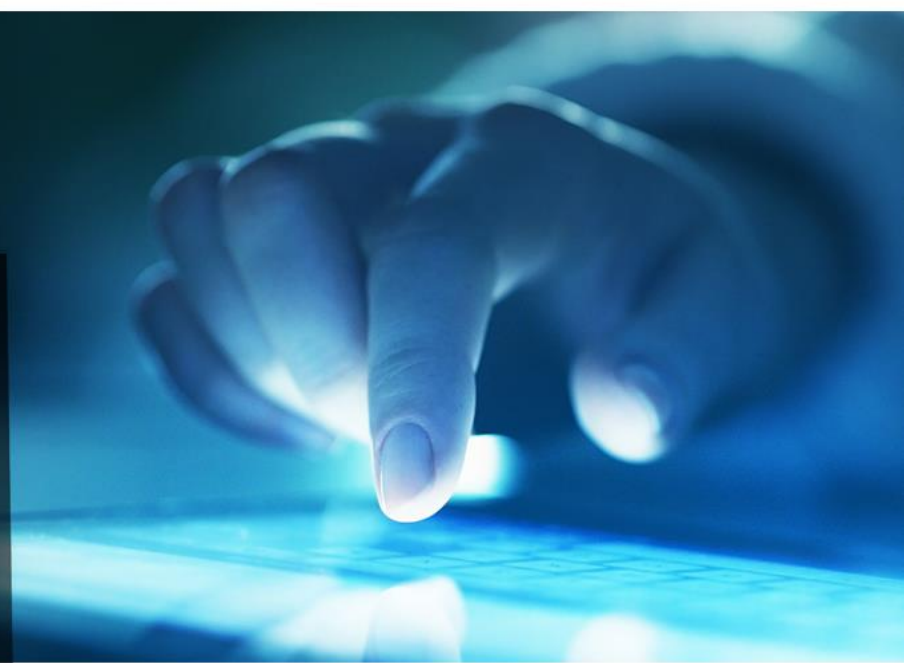




RADWAG BALANCES AND SCALES

ADVANCED WEIGHING TECHNOLOGIES



R-Lab

Functions and possibilities

R-Lab

General information

R-Lab is an up-to-date program offering acquisition of measurements sent from RADWAG-manufactured balances, their presentation and statistical analysis. The program allows reports and graphs generating and customization.



Compatibility

With weighing devices



LABORATORY **balances**

INDUSTRIAL **scales**

WEIGHING **MODULES**

R-Lab is compatible with all models of RADWAG-manufactured balances and scales.

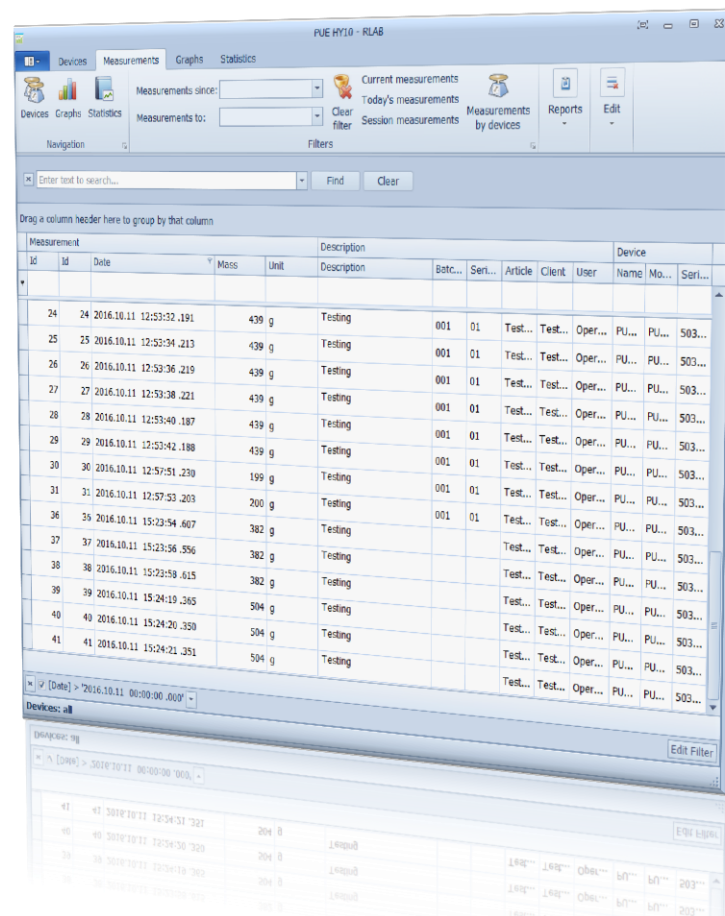
Measurement record

Manual and automatic

Manual record is carried out upon pressing print/enter key.



Automatic record is done for a series of measurements (measurements quantity and time interval are specified).

The screenshot shows the RADWAG software interface with a table of measurement records. The table has columns for Measurement ID, Date, Mass, Unit, Description, Botch, Serial, Article, Client, User, Name, Mo., and Seri... The data shows a series of measurements from 2016.10.11, with masses ranging from 199 g to 439 g, all labeled as 'Testing'.

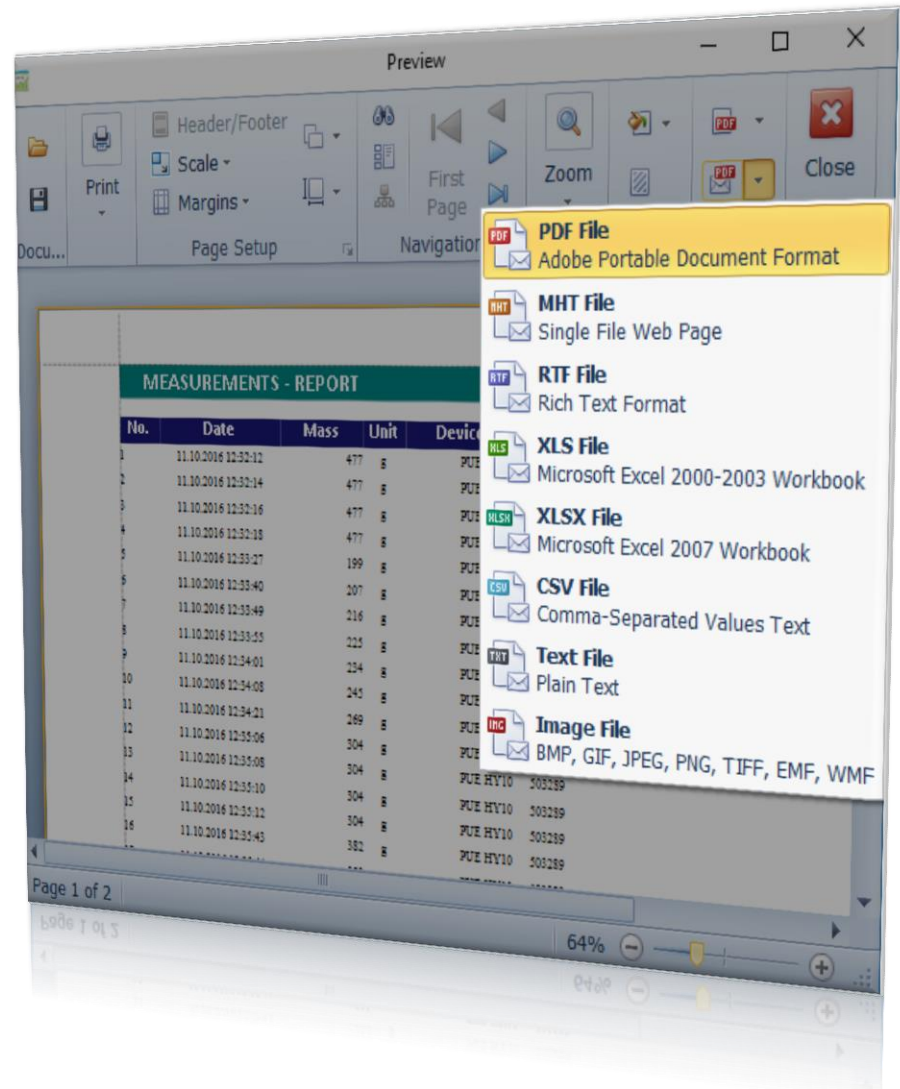
Measurement	ID	Date	Mass	Unit	Description	Botch	Serial	Article	Client	User	Name	Mo.	Seri...
24	24	2016.10.11 12:53:32	191	439 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...
25	25	2016.10.11 12:53:34	213	439 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...
26	26	2016.10.11 12:53:36	219	439 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...
27	27	2016.10.11 12:53:38	221	439 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...
28	28	2016.10.11 12:53:40	187	439 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...
29	29	2016.10.11 12:53:42	188	439 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...
30	30	2016.10.11 12:57:51	239	199 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...
31	31	2016.10.11 12:57:53	203	200 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...
36	36	2016.10.11 15:23:54	467	382 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...
37	37	2016.10.11 15:23:56	356	382 g	Testing			Test...	Test...	Oper...	PU...	PU...	503...
38	38	2016.10.11 15:23:59	615	382 g	Testing			Test...	Test...	Oper...	PU...	PU...	503...
39	39	2016.10.11 15:24:19	365	504 g	Testing			Test...	Test...	Oper...	PU...	PU...	503...
40	40	2016.10.11 15:24:20	359	504 g	Testing			Test...	Test...	Oper...	PU...	PU...	503...
41	41	2016.10.11 15:24:21	351	504 g	Testing			Test...	Test...	Oper...	PU...	PU...	503...

Balance data readout

Export of data to file

R-Lab software enables export of balance data to a computer. It supports the following file formats:

- **PDF**
- **MHT** (Web)
- **RTF**
- **XLS** (Excel 2000 - 2003)
- **XLSX** (Excel 2007)
- **CSV** (Comma-separated values)
- **Text or graphic file formats**



Data visualization

Measurements presented
in a graphic form

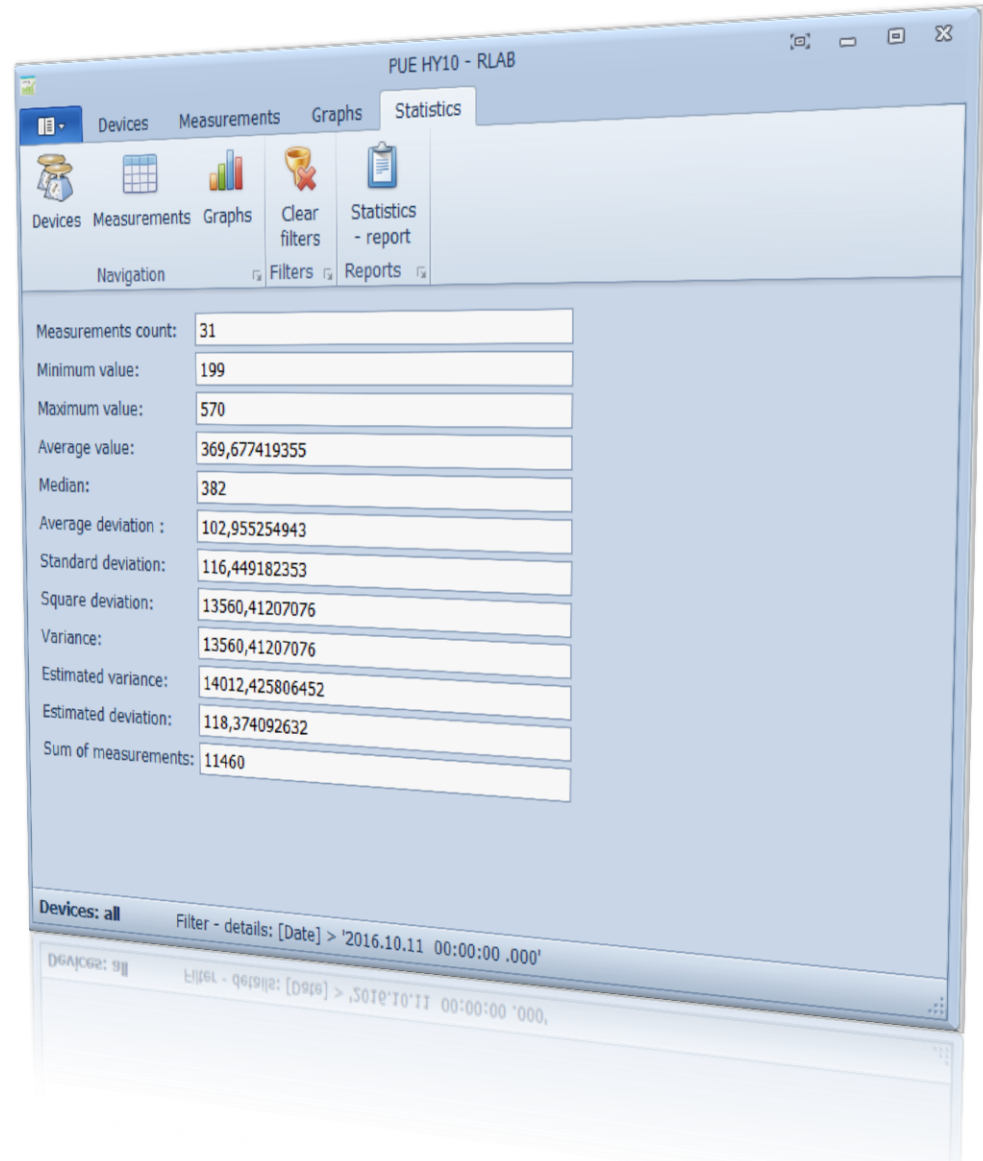
- Measurements graph with statistics data
- Gaussian distribution function and bar graph
- Stability graph – difference between successive measurements
- All in one graph



Statistics

Statistical analysis of measurement data

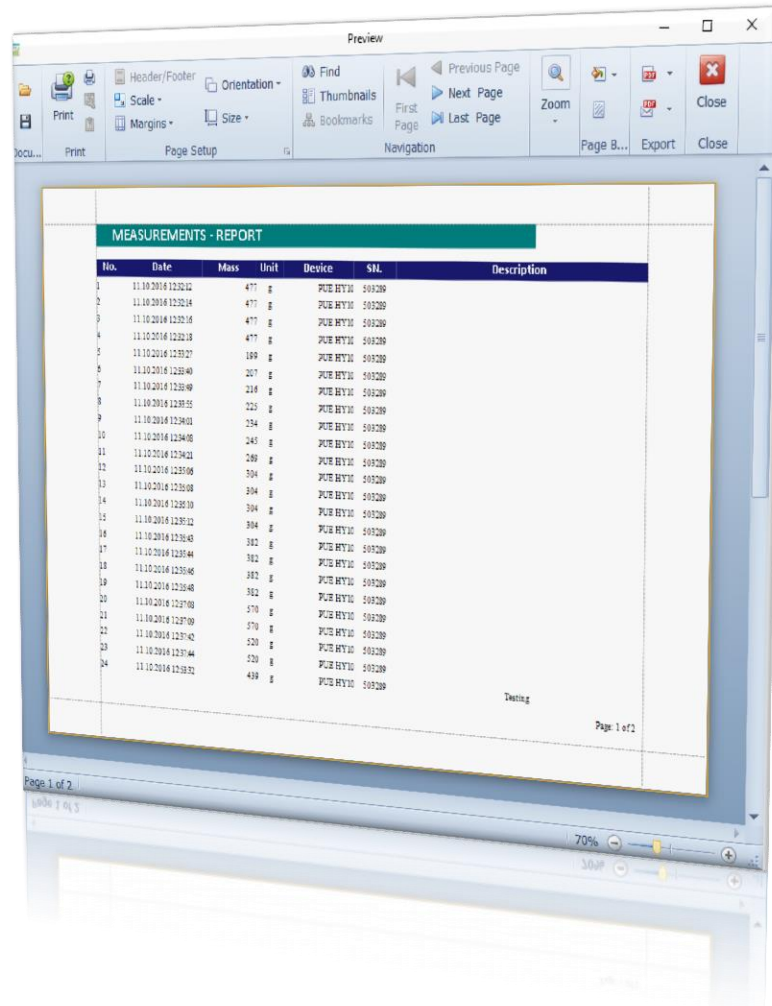
- **Measurements quantity**
- **Minimum value**
- **Maximum value**
- **Mean value**
- **Median**
- **Deviation: average, standard**
- **Variance**
- **Variance and deviation estimator**
- **Total weight**



Reports

For particular measurement series

- **Filtering current measurements by date, mass, unit, description, etc.,**
- **Display of date-specified measurements,**
- **Session-based measurement reports,**
- **Filtering measurements by list of devices**



MEASUREMENTS - REPORT

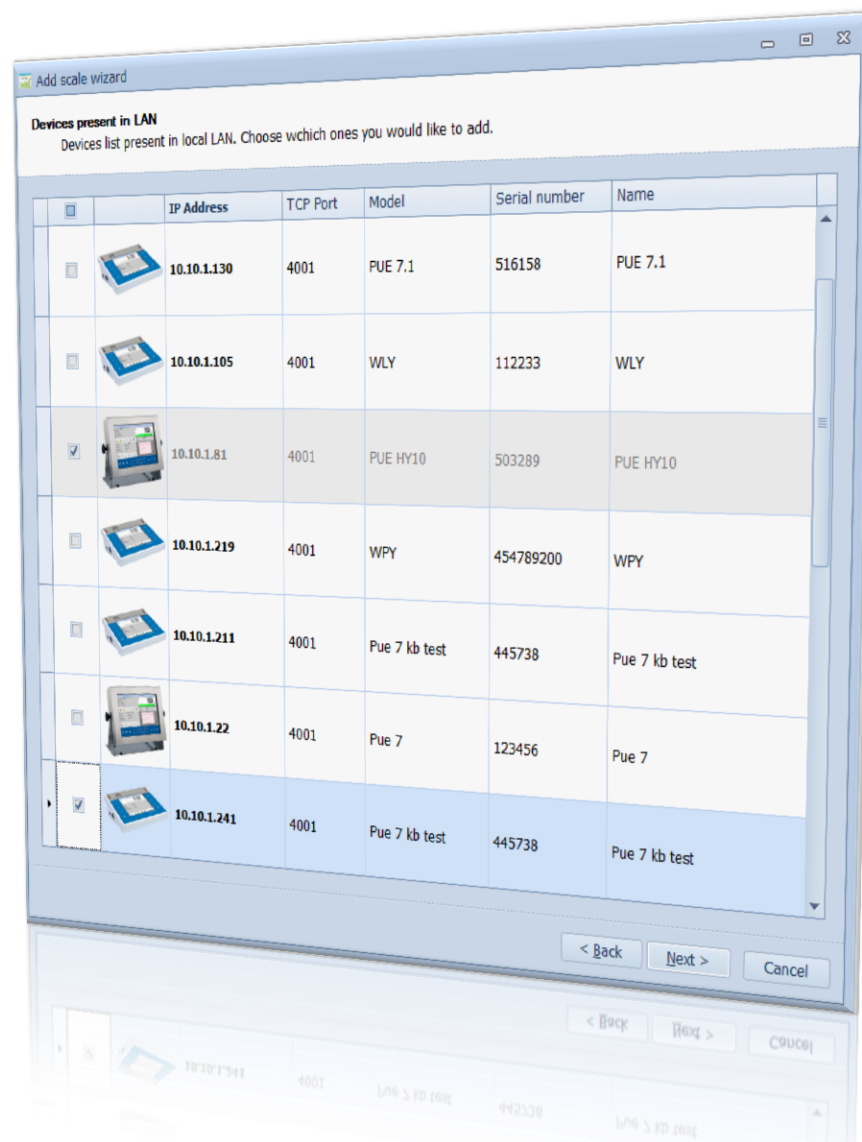
No.	Date	Mass	Unit	Device	SIL	Description
1	11.10.2016 12:32:12	477	g	PUR HY10	503200	
2	11.10.2016 12:32:14	477	g	PUR HY10	503200	
3	11.10.2016 12:32:16	477	g	PUR HY10	503200	
4	11.10.2016 12:32:18	477	g	PUR HY10	503200	
5	11.10.2016 12:32:20	169	g	PUR HY10	503200	
6	11.10.2016 12:32:22	207	g	PUR HY10	503200	
7	11.10.2016 12:32:40	216	g	PUR HY10	503200	
8	11.10.2016 12:33:55	223	g	PUR HY10	503200	
9	11.10.2016 12:34:01	234	g	PUR HY10	503200	
10	11.10.2016 12:34:05	243	g	PUR HY10	503200	
11	11.10.2016 12:34:21	269	g	PUR HY10	503200	
12	11.10.2016 12:35:06	304	g	PUR HY10	503200	
13	11.10.2016 12:35:08	304	g	PUR HY10	503200	
14	11.10.2016 12:35:10	304	g	PUR HY10	503200	
15	11.10.2016 12:35:12	304	g	PUR HY10	503200	
16	11.10.2016 12:35:43	302	g	PUR HY10	503200	
17	11.10.2016 12:35:44	302	g	PUR HY10	503200	
18	11.10.2016 12:35:45	302	g	PUR HY10	503200	
19	11.10.2016 12:35:48	302	g	PUR HY10	503200	
20	11.10.2016 12:37:03	370	g	PUR HY10	503200	
21	11.10.2016 12:37:09	370	g	PUR HY10	503200	
22	11.10.2016 12:37:42	370	g	PUR HY10	503200	
23	11.10.2016 12:37:44	370	g	PUR HY10	503200	
24	11.10.2016 12:39:32	439	g	PUR HY10	503200	

Testing

Page 1 of 2

Auto search

Function designed to detect LAN-operating weighing devices. List of detected balances is displayed, the operator can select models that are to be used.



Data acquisition

Balance-computer transfer

Acquisition of data from balance to a computer is performed by means of record on a balance.



PUE HY10 - RLAB

Devices Measurements Graphs Statistics

Measurements since: Clear filter

Measurements to: Filters

Current measurements Today's measurements Session measurements Measurements by devices

Reports Edit

Navigation Find Clear

Drag a column header here to group by that column

Measurement		Description										Device		
Id	Id	Date	Mass	Unit	Description	Batc...	Seri...	Article	Client	User	Name	Mo...	Seri...	
24	24	2016.10.11 12:53:32	.191	439 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...	
25	25	2016.10.11 12:53:34	.213	439 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...	
26	26	2016.10.11 12:53:36	.219	439 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...	
27	27	2016.10.11 12:53:38	.221	439 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...	
28	28	2016.10.11 12:53:40	.187	439 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...	
29	29	2016.10.11 12:53:42	.188	439 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...	
30	30	2016.10.11 12:57:51	.230	199 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...	
31	31	2016.10.11 12:57:53	.203	200 g	Testing	001	01	Test...	Test...	Oper...	PU...	PU...	503...	
36	36	2016.10.11 15:23:54	.607	382 g	Testing			Test...	Test...	Oper...	PU...	PU...	503...	
37	37	2016.10.11 15:23:56	.356	382 g	Testing			Test...	Test...	Oper...	PU...	PU...	503...	
38	38	2016.10.11 15:23:58	.615	382 g	Testing			Test...	Test...	Oper...	PU...	PU...	503...	
39	39	2016.10.11 15:24:19	.365	504 g	Testing			Test...	Test...	Oper...	PU...	PU...	503...	
40	40	2016.10.11 15:24:20	.350	504 g	Testing			Test...	Test...	Oper...	PU...	PU...	503...	
41	41	2016.10.11 15:24:21	.351	504 g	Testing			Test...	Test...	Oper...	PU...	PU...	503...	

[Date] > '2016.10.11 00:00:00..000'

Devices: all

Devices: eq

[Date] > '2016.10.11 00:00:00..000'

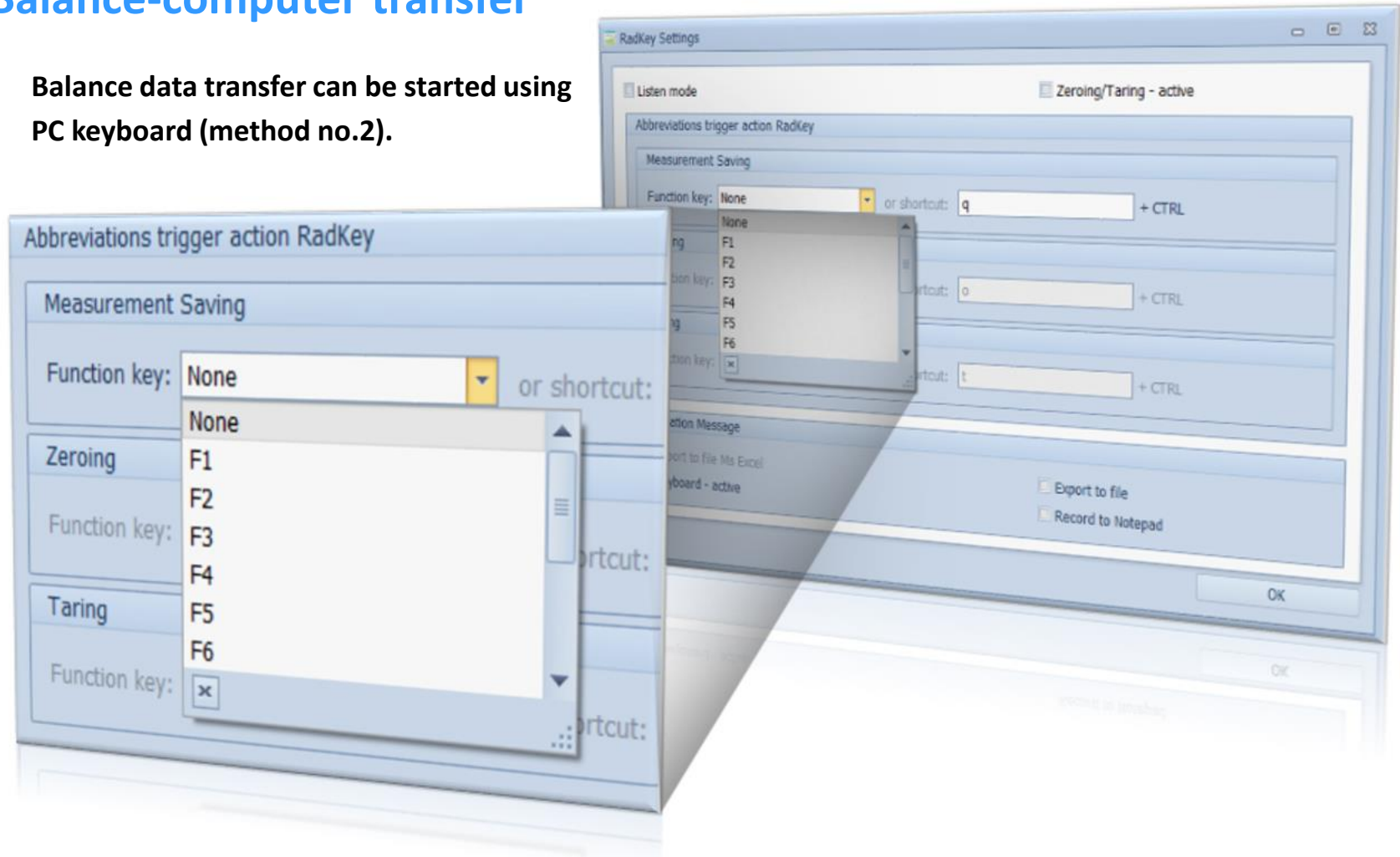
Edit Filter

EQV Filter

Data acquisition

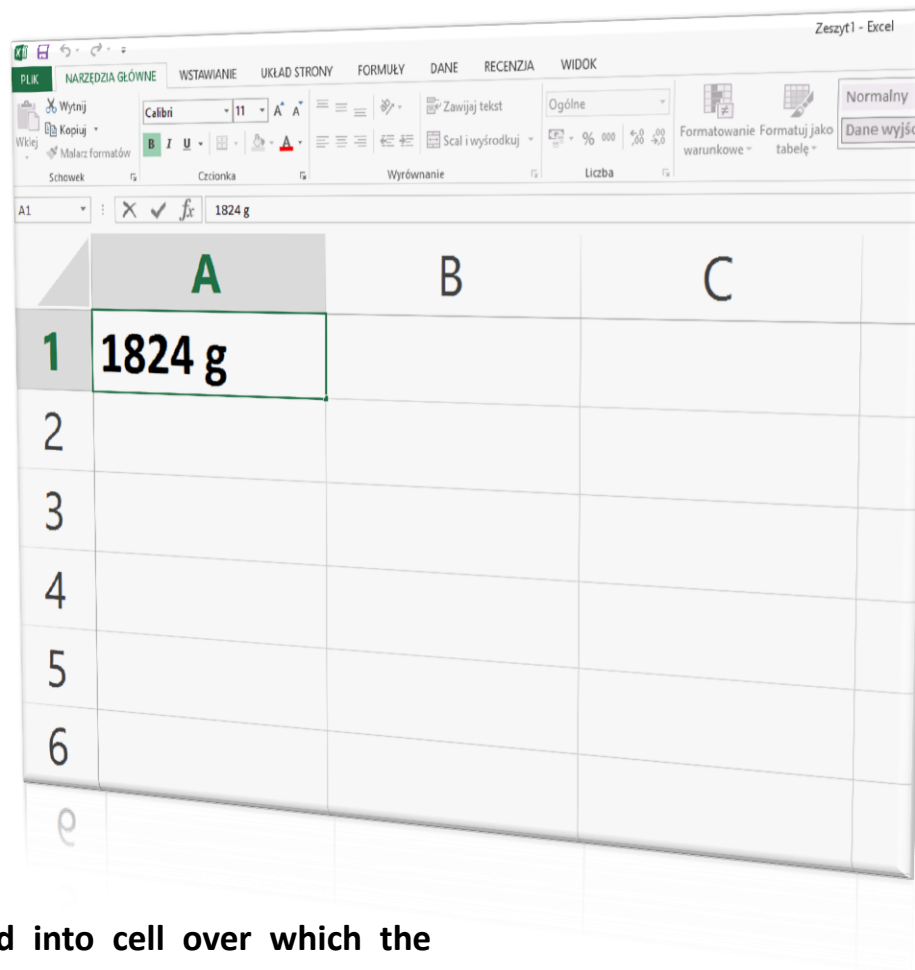
Balance-computer transfer

Balance data transfer can be started using PC keyboard (method no.2).



Balance indication

in cursor-specified cell
of spreadsheet program

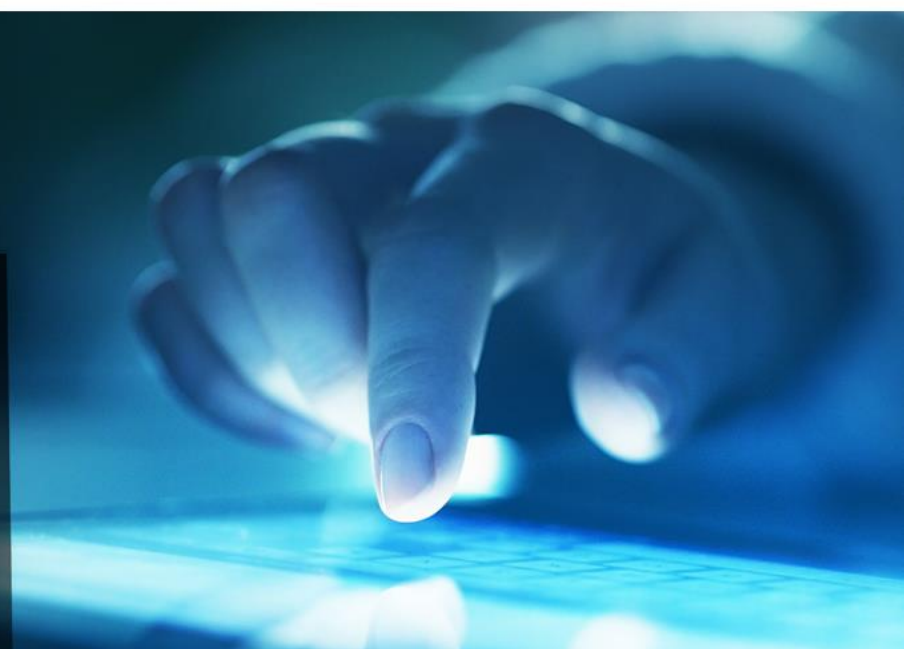


Balance-sent characters are read and entered into cell over which the cursor is placed.



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Thank you for your attention

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