

10 kg maximum capacity and 0.01 g readability
Incomparable resolution in series of precision balances
Quick and reliable measurements



www.radwag.com

PS High Capacity
Precision Balances

THE HIGHEST LEVEL OF PERFORMANCE

Technical specifications for the most demanding users: maximum capacity of 10 kg and readability of 0.01 g

Resolution of 1 mln reading units - incomparable for precision balances.

Loads up to 10 kg can be quickly measured with the best readability $d = 0.01$ g. It optimizes operating time in dosing, formulations and parts counting modes.

PS Heavy Duty balances enable operation with both small samples of few grams as well as with large ones, ranging up to 10 kg. In both cases measurement accuracy remains the same. Using one balance for few applications reduces costs of purchasing numerous devices and increases operation efficiency.



Quick and reliable measurements

Due to use of EMFC mechanism of the latest generation, PS Heavy Duty balances guarantee the best repeatability ranging up to $(sd < 1 d)$.



Use of the new measuring system, which is a subject matter of RADWAG patent, guarantees reliable measurement results under both laboratory and challenging industrial conditions. It is characterized by high resistance to ambient conditions, assuring very short measurements.



New innovative weighing pan

New design of draft shield limits the influence of air drafts on balance operation. This solution assures higher comfort of operation and increases efficiency of measuring processes.



Weighing pan with single-point support facilitates dismantling and enables quick cleaning of a weighing pan. It prevents weighed substances from getting to the inside of the balance. The above feature guarantees long and failure-free operation.



PS 3Y Heavy Duty Balances

Balances of the highest class dedicated for the most challenging applications. They provide excellent accuracy and measurement speed as well as incomparable weighing performance. Equipped with 5.7" colour touchscreen.



PS X2 Heavy Duty Balances

Advanced laboratory balances intended for most applications. They guarantee high quality measurements while maintaining easy and convenient operation. PS X2 Heavy Duty balances feature 5" capacitive touchscreen.



PS R Heavy Duty Balances

Regular but versatile and reliable laboratory balances intended for standard applications. They are characterized by measurements accuracy, ease of operation and robust design. PS R Heavy Duty balances feature large monochromatic backlit LCD.



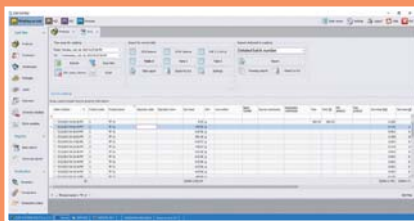
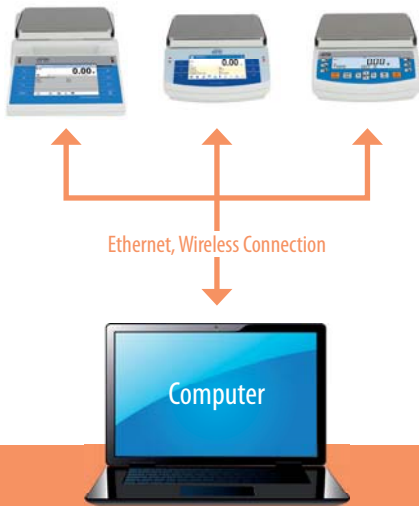
Professional software offers many ways of communication in data acquisition process and possibility to operate in a network.

E2R

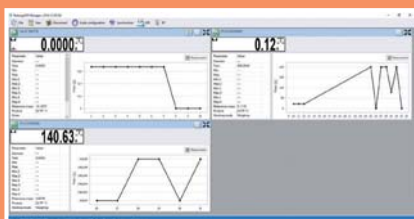
Creating, managing and configuration of large networks of balances.

- Remote control of balances operation,
- Analysis of data acquired from balances in on-line mode,
- SQL database containing data stored on network operating balances,
- Special components for individual applications: Weighing records, Checkweigher, Formulations, Moisture Analyzer, PGC,
- Statistics,
- Reporting: configurable data reports,
- Graphs: measurements analysis, Gauss diagram, histogram,
- Analysis of production effectiveness OEE.

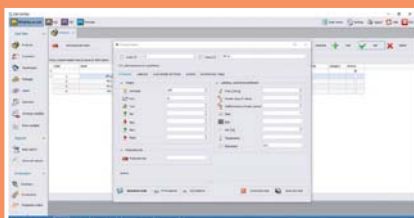
E2R – communication diagram:



List of weighings in E2R software



Weighing graphs in E2R software



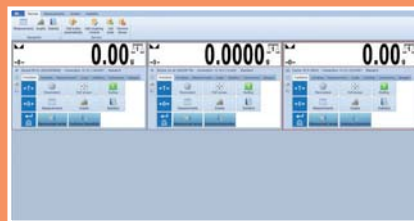
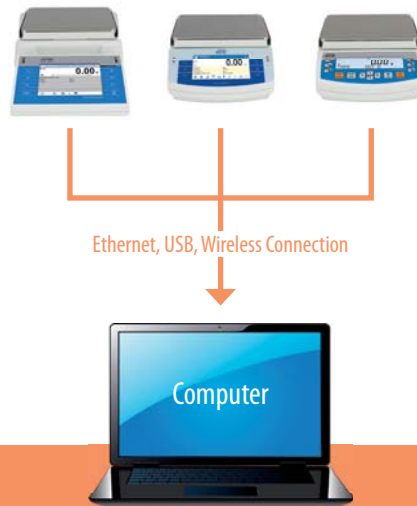
Product editing in E2R software

R-LAB

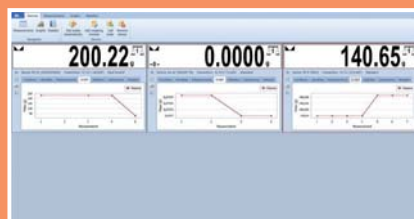
Automatic and manual registration of measurements acquired from network operating balances.

- Automatic searching for balances in wireless network,
- Statistical analysis of measurement data,
- Creating reports for selected series of measurements,
- Graphs: measurements analysis, Gauss diagram, histogram,
- Entering balance indications into cell over which the cursor is placed.

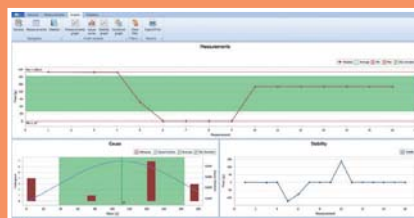
R-Lab – communication diagram:



Weighing equipment preview in R-Lab software



Weighing graphs in R-Lab software



Statistics in R-Lab software

RADWAG Connect

On-line preview of mass on the balance using computers and mobile devices featuring iOS and Android systems.

- Automatic searching for balances in wireless network,
- Reporting,
- Graphs: measurement analysis.

RADWAG Connect – communication diagram:



Weighing equipment preview in RADWAG Connect software



Weighing graphs in RADWAG Connect software

**PS 6100.3Y****PS 8100.3Y****PS 10100.3Y****PS 6100.X2****PS 8100.X2****PS 10100.X2****PS 6100.R2****PS 8100.R2****PS 10100.R2**

Maximum capacity [Max]	6100 g	8100 g	10100 g	6100 g	8100 g	10100 g	6100 g	8100 g	10100 g
Minimum load	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg	500 mg
Readability [d]	10 mg	10 mg	10 mg	10 mg	10 mg	10 mg	10 mg	10 mg	10 mg
Tare range	-6100 g	-8100 g	-10100 g	-6100 g	-8100 g	-10100 g	-6100 g	-8100 g	-10100 g
Linearity	±0.03 g	±0.03 g	±0.03 g	±0.03 g	±0.03 g	±0.03 g	±0.03 g	±0.03 g	±0.03 g
Repeatability*	0.01 g	0.012 g	0.015 g	0.01 g	0.012 g	0.015 g	0.01 g	0.012 g	0.015 g
Stabilization time	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s
Sensitivity drift	2 ppm/°C in 15–35 °C	2 ppm/°C in 15–35 °C	2 ppm/°C in 15–35 °C	2 ppm/°C in 10–40 °C	2 ppm/°C in 10–40 °C	2 ppm/°C in 10–40 °C	2 ppm/°C in 10–40 °C	2 ppm/°C in 10–40 °C	2 ppm/°C in 10–40 °C
Minimum weight USP	10 g	10 g	10 g	10 g	10 g	10 g	10 g	10 g	10 g
Minimum weight (U=1%, k=2)	1 g	1 g	1 g	1 g	1 g	1 g	1 g	1 g	1 g
Adjustment	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
Display	5.7" touch screen	5.7" touch screen	5.7" touch screen	5" touch screen	5" touch screen	5" touch screen	LCD (backlit)	LCD (backlit)	LCD (backlit)
Weighing pan dimension	195 × 195 mm	195 × 195 mm	195 × 195 mm	195 × 195 mm	195 × 195 mm	195 × 195 mm	195 × 195 mm	195 × 195 mm	195 × 195 mm
USB type A	2 ×	2 ×	2 ×	YES	YES	YES	YES	YES	YES
USB type B	–	–	–	YES	YES	YES	YES	YES	YES
RS 232	2 ×	2 ×	2 ×	2 ×	2 ×	2 ×	2 ×	2 ×	2 ×
Ethernet	YES	YES	YES	YES	YES	YES	–	–	–
Wireless Connection	YES	YES	YES	YES	YES	YES	in option	in option	in option
Digital IN/OUT	4 ×	4 ×	4 ×	–	–	–	–	–	–
Working temperature**	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C	+10 ÷ +40 °C
Power supply	13.5 ÷ 16 VDC / 500 mA	13.5 ÷ 16 VDC / 500 mA	13.5 ÷ 16 VDC / 500 mA	12 ÷ 16 VDC / 350 mA	12 ÷ 16 VDC / 350 mA	12 ÷ 16 VDC / 350 mA	12 ÷ 16 VDC / 250 mA	12 ÷ 16 VDC / 250 mA	12 ÷ 16 VDC / 250 mA
Net weight	7.3 kg	7.3 kg	7.3 kg	5.6 kg	5.6 kg	5.6 kg	5.6 kg	5.6 kg	5.6 kg

* Repeatability is expressed as a standard deviation from 10 weighing cycles

** Balance maintains parameters in accordance with type approval in temperatures +15 ÷ +35 °C