




PRECISION BALANCES SERIES WTB

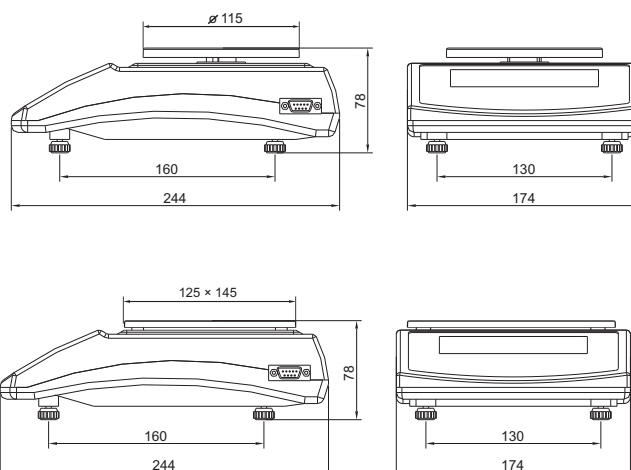


WTB balances are designed for fast and precise determination of mass in laboratory conditions.

They can be used in locations where no power (230V) is accessible as they are equipped with internal rechargeable battery.

Balances are equipped with stainless steel weighing pan, RS 232 output and backlit LCD display.

-  Counting pieces
-  Percentage
-  Weighing animals
-  Summing function
-  +/- control
-  Peak hold of maximal indication



Technical data:

| | WTB 200 | WTB 2000 | WTB 3000 |
|---------------------|--|--------------|--------------|
| Maximal capacity | 200 g | 2000 g | 3000 g |
| Readability | 0,001 g | 0,01 g | 0,01 g |
| Tare range | -200 g | -2000 g | -3000 g |
| Repeatability | 0,003 g | 0,03 g | 0,03 g |
| Linearity | ±0,003 g | ±0,03 g | ±0,03 g |
| Working temperature | +15° - +30° C | | |
| Power supply | 230V / 11V AC or 120V / 11V AC and 6×AA NiMH accumulator | | |
| IP rating | IP 43 | | |
| Pan size | ∅ 115 mm | 125 × 145 mm | 125 × 145 mm |
| Display | LCD (backlit) | | |

Additional equipment:

| | |
|-------------------------|---|
| RACK FOR HEAD | EXTERNAL RECHARGEABLE BATTERY PACK |
| LCD ADDITIONAL DISPLAY | COMPUTER SOFTWARE: PW-WIN, RAD-KEY, REC-FS, LS-FS |
| "KAFKA" THERMAL PRINTER | RS 232/RS 485 CONVERTER |
| NEEDLE PRINTER "EPSON" | EXTERNAL POWER OUTPUT |
| TABLE FOR SCALE | |

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PRECISION BALANCES WLC C/2

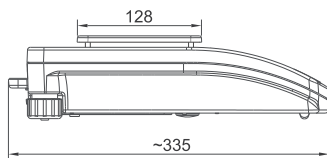


Balances series WLC C/2 are designed for fast and precise mass determination in laboratory and industrial conditions. They can also be used in areas with no access to mains (230V), as their standard equipment they include internal rechargeable battery and RS 232 output. All kinds of this balance (pan size: 128×128, and 195×195 mm) are equipped with stainless steel weighing platform and backlit LCD display providing good reading of weighing result.

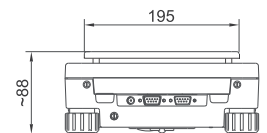
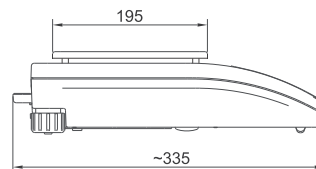
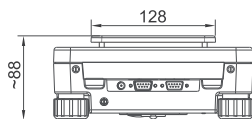
Balances have possibility of weighing loads outside weighing platform (so called under hook weighing), where a load is hanged under the instrument. This is an alternative for weighing loads with non-standard dimensions and shapes. This means of weighing is also useful for determination of density of solids and liquids with application of standard functions of the balance.

-  Counting pieces
-  Checkweighing
-  Animal weighing
-  Percentage
-  Caps lock of max indication
-  Measurement in Newton

A1 version



A2 version



Technical data:

| | WLC 0,6/A1/C/2 | WLC 1/A2/C/2 | WLC 1,2/A2/C/2 * | WLC 3/A2/C/2 * | WLC 6/A2/C/2 * |
|---------------------|---|--------------|------------------|----------------|----------------|
| Max capacity | 0,6 kg | 1 kg | 1,2 kg | 3/6 kg | 6 kg |
| Readability | 0,01 g | 0,01 g | 0,02 g | 0,05 g | 0,1 g |
| Tare range | -0,6 kg | -1 kg | -3 kg | -6 kg | -6 kg |
| Repeatability | 0,02 g | 0,03 g | 0,02 g | 0,05 g | 0,2 g |
| Linearity | ±0,2 g | ±0,03 g | ±0,02 g | ±0,05 g | ±0,2 g |
| Pan size | 128 × 128 mm | 195 × 195 mm | | | |
| Power supply | 230V / 11V AC or 120V / 11V AC, and accumulator | | | | |
| Calibration | internal (automatic) | | | | |
| IP rating | IP 43 | | | | |
| Stabilization time | 3 s | | | | |
| Working temperature | +15° - +30 °C | | | | |
| Display | LCD (backlit) | | | | |

* verified balances

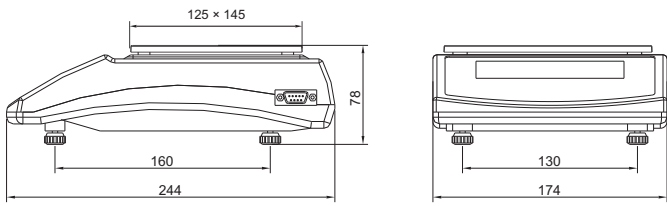
Additional equipment:

| | |
|---|--|
| "KAFKA" THERMAL PRINTER | RACK FOR UNDER HOOK WEIGHING |
| NEEDLE PRINTER "EPSON" | LCD ADDITIONAL DISPLAY |
| CITIZEN LABEL PRINTER | EXTERNAL RECHARGEABLE BATTERY PACK |
| PC KEYBOARD | SUITCASE FOR BALANCE |
| FOOT BUTTON FOR TARE OR PRINT FUNCTIONS | COMPUTER SOFTWARE: PW-WIN 2005, RAD-KEY 2000 |

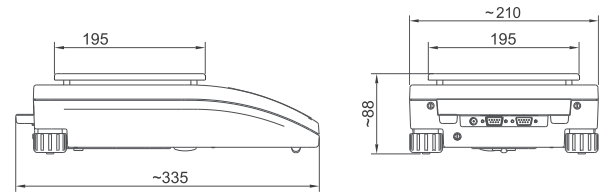
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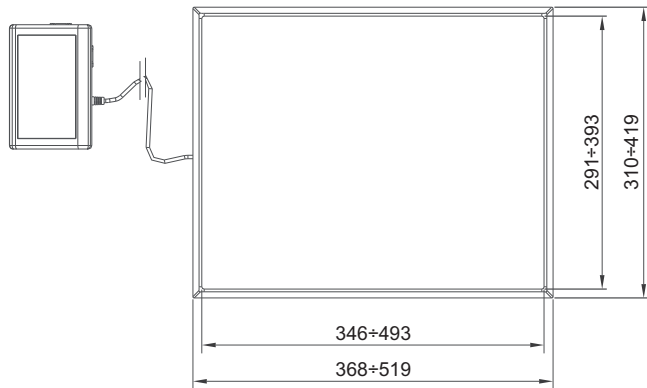
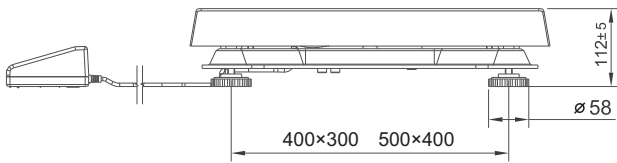
B1 version



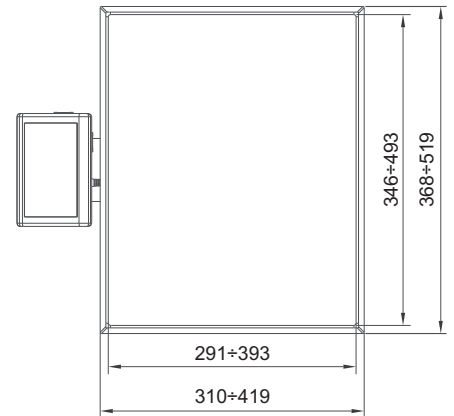
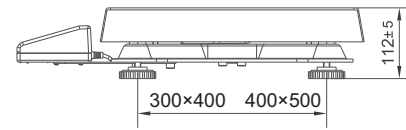
A2 version



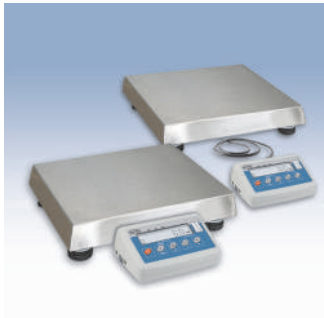
/K version



/R version









PRECISION BALANCES WLC



Balances series WLC are designed for fast and precise mass determination in laboratory and industrial conditions. They can also be used in areas with no access to mains (230V), as their standard equipment they include internal rechargeable battery and RS 232 output. All kinds of this balance (pan size: 128×128, 125×145, 195×195, 290×360 and 400×500 mm) are equipped with stainless steel weighing platform and backlit LCD display providing good reading of weighing result.

Balances WLC A2 have possibility of weighing loads outside weighing platform (so called under hook weighing). where a load is hanged under the instrument. This is an alternative for weighing loads with non-standard dimensions and shapes. This means of weighing is also useful for determination of density of solids and liquids with application of standard functions of the balance.

-  Counting pieces
-  Checkweighing
-  Animal weighing
-  Percentage
-  Caps lock of max indication
-  Measurement in Newton

Technical data:

| | WLC 0,6/B1* | WLC 1,2/B1* | WLC 1/A2 | WLC 1,2/3/A2* | WLC 2/A2 | WLC 3/6/A2* | WLC 6/A2 | WLC 6/12/A2* | WLC 10/A2 | WLC20/A2 |
|---------------------|---|-------------|--------------|---------------|----------|-------------|----------|--------------|-----------|----------|
| Max capacity | 0,6 kg | 1,2 kg | 1 kg | 1,2/3 kg | 2 kg | 3/6 kg | 6 kg | 6/12 kg | 10 kg | 20 kg |
| Readability | 0,01 g | 0,02 g | 0,01 g | 0,02/0,05 g | 0,01 g | 0,05/0,1 g | 0,1 g | 0,1/0,2 g | 0,1 g | 0,1 g |
| Tare range | -0,6 kg | -1,2 kg | -1 kg | -3 kg | -2 kg | -6 kg | -6 kg | -12 kg | -10 kg | -20 kg |
| Repeatability | 0,01 g | 0,02 g | 0,03 g | 0,02/0,05 g | 0,03 g | 0,05/0,1 g | 0,2 g | 0,1/0,2 g | 0,2 g | 0,2 g |
| Linearity | ±0,01 g | ±0,02 g | ±0,03 g | ±0,02/0,05 g | ±0,03 g | ±0,05/0,1 g | ±0,2 g | ±0,1/0,2 g | ±0,2 g | ±0,2 g |
| Pan size | 125 × 145 mm | | 195 × 195 mm | | | | | | | |
| Power supply | 230V / 11V AC or 120V / 11V AC, and accumulator | | | | | | | | | |
| IP rating | IP 43 | | | | | | | | | |
| Stabilization time | 3 s | | | | | | | | | |
| Working temperature | +15° - +30 °C | | | | | | | | | |
| Display | LCD (backlit) | | | | | | | | | |

* verified balances

Technical data:

| | WLC 6/C1/R | WLC 6/12/C1/R* | WLC 12/C1/R | WLC 12/30/C1/R* | WLC 30/C1/R | WLC 30/60/C2/R* | WLC 60/C2/R | WLC 60/120/C2/R* | WLC 120/C2/R | |
|---------------------|---|----------------|-------------|-----------------|-------------|-----------------|-------------|------------------|--------------|--|
| | WLC 6/C1/K | WLC 6/12/C1/K* | WLC 12/C1/K | WLC 12/30/C1/K* | WLC 30/C1/K | WLC 30/60/C2/K* | WLC 60/C2/K | WLC 60/120/C2/K* | WLC 120/C2/K | |
| Max capacity | 6 kg | 6/12 kg | 12 kg | 12/30 kg | 30 kg | 30/60 kg | 60 kg | 60/120 kg | 120 kg | |
| Readability | 0,1 g | 0,1/0,2 g | 0,2 g | 0,2/0,5 g | 0,5 g | 0,5/1 g | 1 g | 1/2 g | 2 g | |
| Tare range | -6 kg | -12 kg | -12 kg | -30 kg | -30 kg | -60 kg | -60 kg | -120 kg | -120 kg | |
| Repeatability | 0,3 g | 0,1/0,2 g | 0,6 g | 0,2/0,5 g | 1,5 g | 0,5/1 g | 3 g | 1/2 g | 6 g | |
| Linearity | ±0,3 g | ±0,1/0,2 g | ±0,6 g | ±0,2/0,5 g | ±1,5 g | ±0,5/1 g | ±3 g | ±1/2 g | ±6 g | |
| Pan size | 290 × 360 mm | | | | | 400 × 500 mm | | | | |
| Power supply | 230V / 11V AC or 120V / 11V AC, and accumulator | | | | | | | | | |
| IP rating | IP 43 | | | | | | | | | |
| Stabilization time | 3 s | | | | | | | | | |
| Working temperature | +15° - +30 °C | | | | | | | | | |
| Display | LCD (backlit) | | | | | | | | | |

* verified balances

Additional equipment:

"KAFKA" THERMAL PRINTER

NEEDLE PRINTER "EPSON"

RACK FOR UNDER HOOK WEIGHING

SUITCASE FOR BALANCE

COMPUTER SOFTWARE PW-WIN 2005, RAD-KEY 2000, REC-FS 2000

PRECISION BALANCES APP/C



Precision balances series APP/C are offered in two solutions, weighing platform dimensions either 346×258 mm. Depending on the type, balances are equipped with backlit LCD display.

Each series of APP/C balances is offered with following capacities: 25, 30 and 6/35 kg. Independently on version, APP/C balance is based on electromagnetic measuring system, external calibration (internal for scales C/2) and RS 232 output.

Balance casing is made of aluminum, weighing pan is in stainless steel technology. Balances series APP have under hook weighing as standard solution.



Counting pieces



Density determination



Percentage

Technical data:

| | APP 25/C APP 25/C/2 * | APP 30/C APP 30/C/2 | APP 6/35/C APP 6/35/C * |
|---------------------|--------------------------------|------------------------|----------------------------|
| Max capacity | 25 kg | 30 kg | 6/35 kg |
| Readability | 0,1 g | 0,1 g | 1/5 g |
| Tare range | -25 kg | -30 kg | -35 kg |
| Repeatability | 0,1 g | 0,2 g | 1/5 g |
| Linearity | ±0,1 g | ±0,3 g | ±1/5 g |
| Pan size | 346 × 258 mm | | |
| Working temperature | +15° - +40 °C | | |
| Operation time | 3 s | | |
| Power supply | 230V / 11V AC or 120V / 11V AC | | |
| Calibration weight | 10 kg | 10 kg | 10 kg |
| Display | LCD (backlit) | | |

* verified balances

Additional equipment:

| | |
|------------------------------------|---------------------------------|
| "KAFKA" THERMAL PRINTER | CALIBRATION WEIGHT |
| NEEDLE PRINTER "EPSON" | COMPUTER SOFTWARE: PW-WIN 2005 |
| LCD ADDITIONAL DISPLAY | COMPUTER SOFTWARE: RAD-KEY 2000 |
| EXTERNAL RECHARGEABLE BATTERY PACK | |

PRECISION BALANCES PS/C2








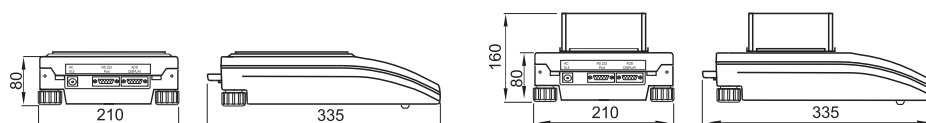
Balances series PS are equipped with 12 key front panel and LCD backlit display. Pan dimension is this series is 195×195 or 128×128 mm with a glass shield over the weighing pan which protects the load against possible breeze. Each balance has RS 232 and additional display outputs as standard.

GLP procedure is available in a form of a report from balance calibration. shape of the printout is modifiable. User name, project name, print of date and time, and print frame are user defined on printout.

Balances marked as C/2 are equipped with system of internal automatic calibration.

Balances are equipped with optional weighing of loads outside the weighing pan, so called under hook weighing. it is an alternative for weighing loads with non standard dimensions or made of magnetic substances. Under hook weighing is additionally applied in case of density determination procedure.

-  Counting pieces
-  Density determination
-  Percentage
-  Summing function
-  Checkweighing



Technical data:

| | PS 200/2000/C/2 | PS 110/C/2* | PS 210/C/2* | PS 360/C/2* | PS 600/C/2* | PS 750/C/2 | PS 1000/C/2 |
|-------------------------|--------------------------------------|-------------|-------------|-------------|-------------|------------|-------------|
| Max capacity | 200/2000 g | 110 g | 210 g | 360 g | 600 g | 750 g | 1000 g |
| Minimal load | 20 mg | 20 mg | 20 mg | 20 mg | 20 mg | 20 mg | 20 mg |
| Readability | 1/10 mg | 1 mg | 1 mg | 1 mg | 1 mg | 1 mg | 1 mg |
| Tare range | -2000 g | -110 g | -210 g | -360 g | -600 g | -750 g | -1000 g |
| Repeatability | 1/10 mg | 1 mg | 1 mg | 1 mg | 1 mg | 1,5 mg | 1,5 mg |
| Linearity | ±2/10 mg | ±2 mg | ±2 mg | ±2 mg | ±2 mg | ±3 mg | ±3 mg |
| Stabilization time | 2 s / 1,5 s | 2 s | 2 s | 2 s | 2 s | 2 s | 2 s |
| Pan size | 128×128 mm | | | | | | |
| Sensitivity drift | 2 ppm/°C in temperature +18 - +30 °C | | | | | | |
| Working temperature | +15 - +30 °C | | | | | | |
| Power supply | 230V / 11V AC or 120V / 11V AC | | | | | | |
| Net weight/Gross weight | 4,3/6,2 kg | 3,5/5,4 kg | 3,5/5,4 kg | 3,5/5,4 kg | 3,7/5,6 kg | 3,7/5,6 kg | 4,3/6,2 kg |
| Packaging size | 570×325×225 mm | | | | | | |

* verified balances

Technical data:

| | PS 1200/C/2* | PS 2100/C/2* | PS 3500/C/2* | PS 4500/C/2* | PS 6000/C/2* |
|-------------------------|--------------------------------------|--------------|--------------|--------------|--------------|
| Max capacity | 1200 g | 2100 g | 3500 g | 4500 g | 6000 g |
| Minimal load | 500 mg | 500 mg | 500 mg | 500 mg | 500 mg |
| Readability | 10 mg | 10 mg | 10 mg | 10 mg | 10 mg |
| Tare range | -1200 g | -2100 g | -3500 g | -4500 g | -6000 g |
| Repeatability | 10 mg | 10 mg | 10 mg | 10 mg | 15 mg |
| Linearity | ±20 mg | ±20 mg | ±20 mg | ±20 mg | ±20 mg |
| Stabilization time | 1,5 s | 1,5 s | 1,5 s | 1,5 s | 1,5 s |
| Pan size | 195×195 mm | | | | |
| Sensitivity drift | 2 ppm/°C in temperature +18 - +30 °C | | | | |
| Working temperature | +15 - +30 °C | | | | |
| Power supply | 230V / 11V AC or 120V / 11V AC | | | | |
| Net weight/Gross weight | 4/5,9 kg | 4,6/6,5 kg | 4,6/6,5 kg | 4,6/6,5 kg | 4,6/6,5 kg |
| Packaging size | 570×325×225 mm | | | | |

* verified balances

Additional equipment:

| | |
|--|---|
| ANTI-VIBRATION TABLE | LCD ADDITIONAL DISPLAY |
| "KAFKA" THERMAL PRINTER | EXTERNAL RECHARGEABLE BATTERY PACK |
| NEEDLE PRINTER "EPSON" | SUITCASE FOR BALANCE |
| DENSITY DETERMINATION KIT FOR SOLIDS AND LIQUIDS | COMPUTER SOFTWARE: PW-WIN 2005, RAD-KEY 2000, REC-FS 2000 |
| RACK FOR UNDER HOOK WEIGHING | |

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PRECISION BALANCES PS/C1



Balances series PS are equipped with 12 key front panel and LCD backlit display. Pan dimension in this series is 195×195 or 128×128 mm with a glass shield over the weighing pan which protects the load against possible breeze. Each balance has RS 232 and additional display outputs as standard.

GLP procedure is available in a form of a report from balance calibration. Shape of the printout is modifiable. User name, project name, print of date and time, and print frame are user defined on printout.

Balances marked as C/1 are equipped with system of external calibration.

Balances are equipped with optional weighing of loads outside the weighing pan, so called under hook weighing. It is an alternative for weighing loads with non standard dimensions or made of magnetic substances. Under hook weighing is additionally applied in case of density determination procedure.



Counting pieces



Density determination



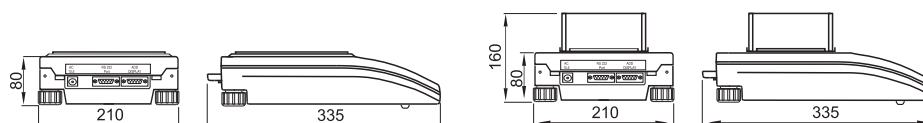
Percentage



Summing function



Checkweighing



Technical data:

| | PS 200/2000/C/1 | PS 110/C/1* | PS 210/C/1* | PS 360/C/1 | PS 510/C/1 | PS 750/C/1 | PS 1000/C/1 |
|-------------------------|--------------------------------------|-------------|-------------|------------|------------|------------|-------------|
| Max capacity | 200/2000 g | 110 g | 210 g | 360 g | 510 g | 750 g | 1000 g |
| Minimal load | 20 mg | 20 mg | 20 mg | 20 mg | 20 mg | 20 mg | 20 mg |
| Readability | 1/10 mg | 1 mg | 1 mg | 1 mg | 1 mg | 1 mg | 1 mg |
| Tare range | -2000 g | -110 g | -210 g | -360 g | -510 g | -750 g | -1000 g |
| Repeatability | 1/10 mg | 1 mg | 1 mg | 1 mg | 1 mg | 1,5 mg | 1,5 mg |
| Linearity | ±2/10 mg | ±2 mg | ±2 mg | ±2 mg | ±2 mg | ±3 mg | ±3 mg |
| Stabilization time | 2 s / 1,5 s | 2 s | 2 s | 2 s | 2 s | 2 s | 2 s |
| Pan size | 128×128 mm | | | | | | |
| Sensitivity drift | 2 ppm/°C in temperature +18 - +30 °C | | | | | | |
| Working temperature | +15 - +30 °C | | | | | | |
| Power supply | 230V / 11V AC or 120V / 11V AC | | | | | | |
| Net weight/Gross weight | 3,3/5,2 kg | 3,2/5,1 kg | 3,2/5,1 kg | 3,2/5,1 kg | 3,2/5,1 kg | 3,2/5,1 kg | 3,2/5,1 kg |
| Packaging size | 570×325×225 mm | | | | | | |

* verified balances

Technical data:

| | PS 1200/C/1* | PS 2100/C/1* | PS 3500/C/1 | PS 4500/C/1 | PS 6000/C/1 | PS 8000/C/1 |
|-------------------------|--------------------------------------|--------------|-------------|-------------|-------------|-------------|
| Max capacity | 1200 g | 2100 g | 3500 g | 4500 g | 6000 g | 8000 g |
| Minimal load | 500 mg | 500 mg | 500 mg | 500 mg | 500 mg | 500 mg |
| Readability | 10 mg | 10 mg | 10 mg | 10 mg | 10 mg | 10 mg |
| Tare range | -1200 g | -2100 g | -3500 g | -4500 g | -6000 g | -8000 g |
| Repeatability | 10 mg | 10 mg | 10 mg | 10 mg | 15 mg | 15 mg |
| Linearity | ±20 mg | ±20 mg | ±20 mg | ±20 mg | ±20 mg | ±20 mg |
| Stabilization time | 1,5 s | 1,5 s | 1,5 s | 1,5 s | 1,5 s | 1,5 s |
| Pan size | 195×195 mm | | | | | |
| Sensitivity drift | 2 ppm/°C in temperature +18 - +30 °C | | | | | |
| Working temperature | +15 - +30 °C | | | | | |
| Power supply | 230V / 11V AC or 120V / 11V AC | | | | | |
| Net weight/Gross weight | 3,2/5,1 kg | 3,4/5,3 kg | 3,4/5,3 kg | 3,4/5,3 kg | 3,4/5,3 kg | 3,4/5,3 kg |
| Packaging size | 570×325×225 mm | | | | | |

* verified balances

Additional equipment:

| | |
|--|---|
| ANTI-VIBRATION TABLE | LCD ADDITIONAL DISPLAY |
| "KAFKA" THERMAL PRINTER | EXTERNAL RECHARGEABLE BATTERY PACK |
| NEEDLE PRINTER "EPSON" | SUITCASE FOR BALANCE |
| DENSITY DETERMINATION KIT FOR SOLIDS AND LIQUIDS | COMPUTER SOFTWARE: PW-WIN 2005, RAD-KEY 2000, REC-FS 2000 |
| RACK FOR UNDER HOOK WEIGHING | |

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PRECISION BALANCES PS/X



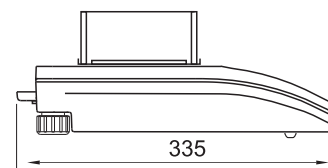
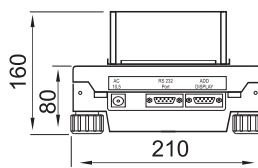
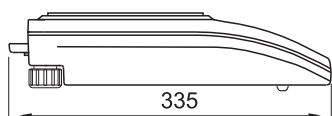
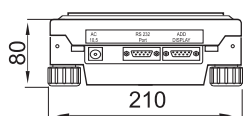
Balances series PS/X are new types of precision balances with large graphic backlit display and extended user menu. The balances comprise all the features and functions of WPX balances and also the newest electronic and mechanical solutions and upgraded software.

The electronic and mechanical structure is similar to balances series PS. They are equipped with 12 key membrane keyboard, which ensures easier more intuitive operation for the user. Pan dimension in this series is 195×195 or 128×128 mm with a draught shield over the weighing pan. All the balances series PS/X feature internal calibration system. Each balance is equipped with RS 232 and RS485 outputs, PS/2 socket and additional LCD display plug.

GLP procedure is available in a form of a report from balance calibration. shape of the printout is modifiable. User name, project name, print of date and time, and print frame are user defined on printout.

Balances are equipped with optional weighing of loads outside the weighing pan, so called under hook weighing. it is an alternative for weighing loads with non standard dimensions or made of magnetic substances. Under hook weighing is additionally applied in case of density determination procedure.

- Counting pieces
- Filling
- Animal weighing
- Density determination
- Checkweighing
- Percentage
- Statistics
- Formulation



Technical data:

| | PS 200/2000/X* | PS 250/X* | PS 450/X* | PS 750/X* | PS 1000/X | PS 1500/X | PS 2500/X | PS 4500/X | PS 6000/X | PS 8000/X** |
|-------------------------|--------------------------------------|-----------|------------|------------|------------|-----------|-----------|------------|-----------|-------------|
| Max capacity | 200/2000 g | 250 g | 450 g | 750 g | 1000 g | 1500 g | 2500 g | 4500 g | 6000 g | 8000 g |
| Minimal load | 20 mg | 20 mg | 20 mg | 20 mg | 20 mg | 500 mg | 500 mg | 500 mg | 500 mg | 500 mg |
| Readability | 1/10 mg | 1 mg | 1 mg | 1 mg | 1 mg | 10 mg | 10 mg | 10 mg | 10 mg | 10 mg |
| Tare range | -2000 g | -250 g | -450 g | -750 g | -1000 g | -1500 g | -2500 g | -4500 g | -6000 g | -8000 g |
| Linearity | ±2/10 mg | ±2 mg | ±2 mg | ±3 mg | ±3 mg | ±20 mg | ±20 mg | ±20 mg | ±30 mg | 15 mg |
| Repeatability | 1/10 mg | 1 mg | 1 mg | 1,5 mg | 1,5 mg | 10 mg | 10 mg | 10 mg | 15 mg | ±20 mg |
| Pan size | | | 128×128 mm | | | | | 195×195 mm | | |
| Stabilization time | 2 s / 1,5 s | 2 s | 2 s | 2 s | 2 s | 1,5 s | 1,5 s | 1,5 s | 1,5 s | 1,5 s |
| Sensitivity drift | 2 ppm/°C in temperature +18 - +30 °C | | | | | | | | | |
| Working temperature | +15 - +30 °C | | | | | | | | | |
| Power supply | 230V / 11V AC or 120V / 11V AC | | | | | | | | | |
| Net weight/Gross weight | 5/7,1 kg | 4,1/6 kg | 4,4/6,3 kg | 4,4/6,3 kg | 4,4/6,3 kg | 5/7,1 kg | 5/7,1 kg | 5/7,1 kg | 5/7,1 kg | 3,4/5,3 kg |
| Packaging size | 570×325×225 mm | | | | | | | | | |

* scales verified from May 2009

** external calibration

Additional equipment:

| | |
|--|--|
| ANTI-VIBRATION TABLE | FOOT BUTTON FOR TARE OR PRINT FUNCTIONS |
| "KAFKA" THERMAL PRINTER | RACK FOR UNDER HOOK WEIGHING |
| NEEDLE PRINTER "EPSON" | LCD ADDITIONAL DISPLAY |
| CITIZEN LABEL PRINTER | EXTERNAL RECHARGEABLE BATTERY PACK |
| DENSITY DETERMINATION KIT FOR SOLIDS AND LIQUIDS | SUITCASE FOR BALANCE |
| PC KEYBOARD | COMPUTER SOFTWARE: PW-WIN 2005, RAD-KEY 2000 |

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PRECISION BALANCES APP/Y











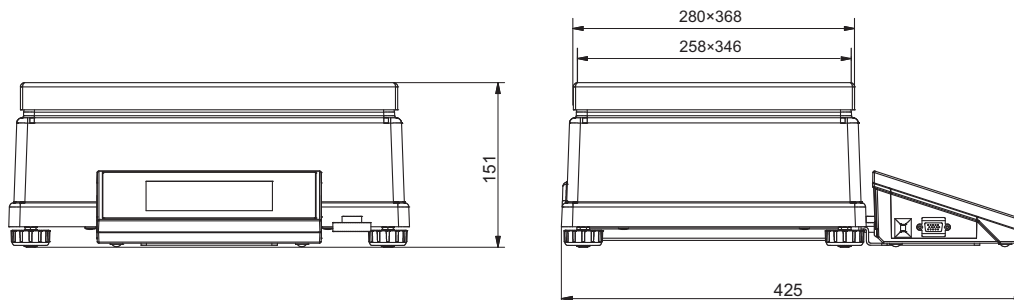
* verified from the first quarter of 2010

Precise balances of APP/Y are the response for the growing market demands concerning simple operation and maximum automation of the weighing process.

Measurement reliability and accuracy is assured by internal calibration triggered by time flow or temperature conditions.

Balances equipped in a new electronic modules and are operated using a touch panel covering a 5,7" colour graphic display. Y scales have implemented new easily operated software.

-  Counting pieces
-  Filling
-  Animal weighing
-  Density determination
-  Checkweighing
-  Percentage
-  Statistics
-  Formulation



Technical data:

| | APP 25/Y APP 25/Y/2 | APP 35/Y APP 35/Y/2 |
|---------------------|--|------------------------|
| Max capacity | 25 kg | 35 kg |
| Readability | 0,1 g | 0,1 g |
| Tare range | -25 kg | -35 kg |
| Repeatability | 0,1 g | |
| Linearity | ±0,1 g | |
| Calibration | internal (for Y/2 serie) or external (for Y serie) | |
| Pan size | 346 × 258 mm | |
| Working temperature | +15° - +40 °C | |
| Operation time | 1,5 s | |
| Power supply | 230V / 11V AC or 120V / 11V AC | |
| Calibration weight | 10 kg | |
| Display | 5,7" touch screen | |
| Interface | 2×USB, RS 232, Ethernet | |

Additional equipment:

| | |
|---|------------------------------------|
| "KAFKA" THERMAL PRINTER | LCD ADDITIONAL DISPLAY |
| NEEDLE PRINTER "EPSON" | EXTERNAL RECHARGEABLE BATTERY PACK |
| CITIZEN LABEL PRINTER | CALIBRATION WEIGHT |
| PC KEYBOARD | COMPUTER SOFTWARE: PW-WIN 2005 |
| FOOT BUTTON FOR TARE OR PRINT FUNCTIONS | COMPUTER SOFTWARE: RAD-KEY 2000 |

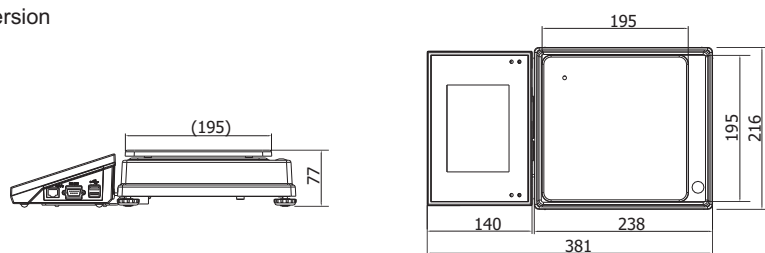
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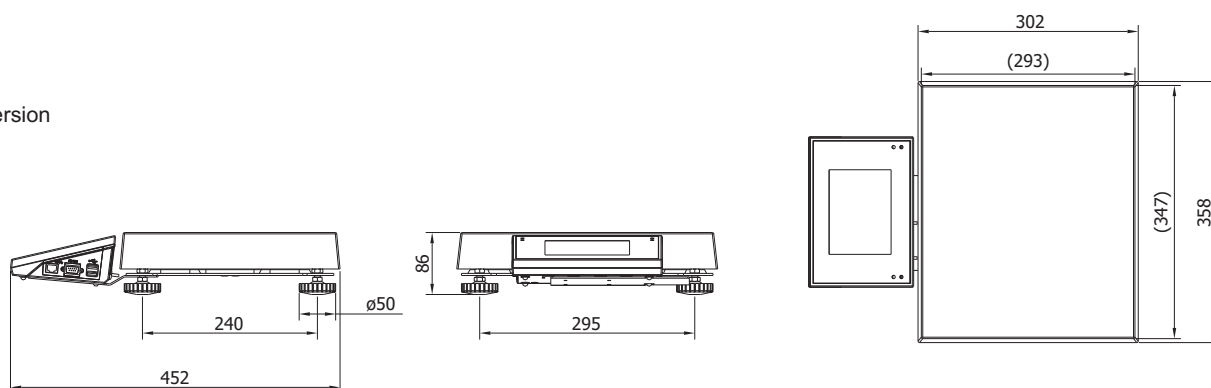
Technical data:

| | WLY 6/C1/R WLY 6/C1/K | WLY 12/C1/R WLY 12/C1/K | WLY 30/C1/R WLY 30/C1/K | WLY 60/C2/R WLY 60/C2/K | WLY 120/C2/R WLY 120/C2/K |
|---------------|-------------------------------------|----------------------------|----------------------------|----------------------------|------------------------------|
| Max capacity | 6 kg | 12 kg | 30 kg | 60 kg | 120 kg |
| Readability | 0,1 g | 0,2 g | 0,5 g | 1 g | 2 g |
| Tare range | -6 kg | -12 kg | -30 kg | -60 kg | -120 kg |
| Repeatability | 0,2 g | 0,4 g | 1 g | 2 g | 4 g |
| Linearity | ± 0,2 g | ± 0,4 g | ± 1 g | ± 2 g | ± 4 g |
| Power supply | 230V / 11V AC or 120V / 11V AC | | | | |
| IP rating | IP 54 | | | | |
| Pan size | 290×360 mm | 290×360 mm | 290×360 mm | 400×500 mm | 400×500 mm |
| Interface | 2×USB, RS 232, Ethernet, 4in / 4out | | | | |
| Display | 5,7" touch screen | | | | |

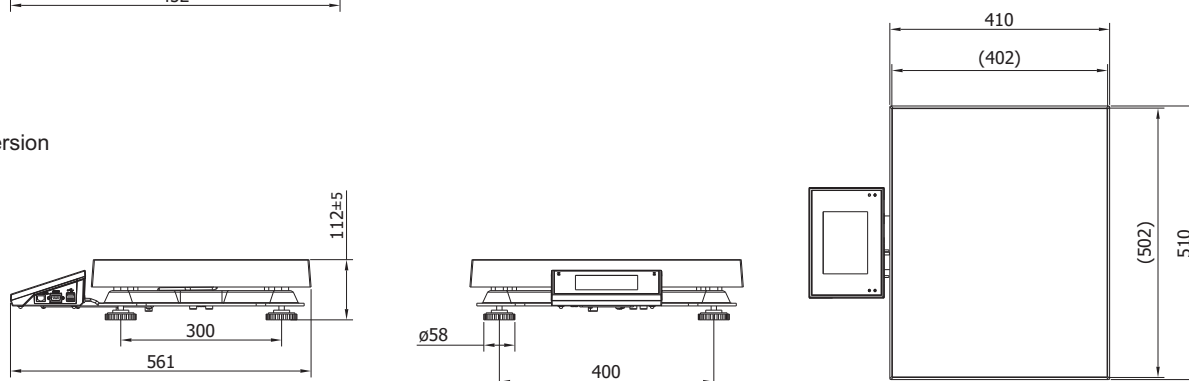
D2 version



C1 version



C2 version



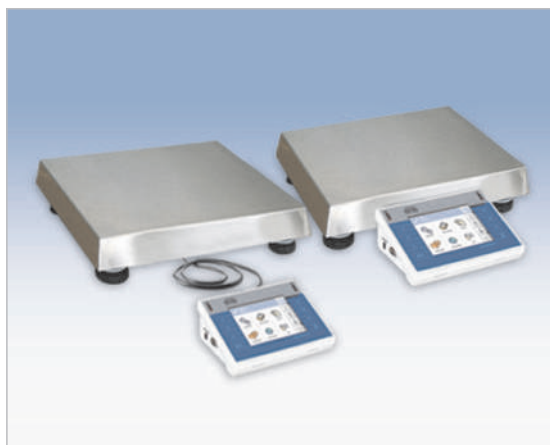
Additional equipment:

| | |
|------------------------------|--|
| "Kafka" thermal printer | Density determination kit |
| "Epson" needle printer | Power adapter with battery and charger |
| "Citizen" label printer | Suitcase for balance |
| PC keyboard type PS/2 | "PW-WIN 2004" computer software |
| Rack for under hook weighing | "RAD-KEY 2000" computer software |
| LCD display | RS 232 cable: scale - thermal printer: P0136 |
| Calibration weight | RS 232 cable: scale - "Epson/Citizen" printer: P0151 |
| Standard mass | RS 232 cable: scale - computer: P0108 |

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PRECISION BALANCES WLY



- Counting pieces
- Filling
- Checkweighing
- Percentage
- Statistics
- Formulation

Precise balances of WLY are the response for the growing market demands concerning simple operation and maximum automation of the weighing process.

Balances equipped in a new electronic modules and are operated using a touch panel covering a 5.7" colour graphic display. Y scales have implemented new easily operated software.

Dual range version for WLY scale:

- 290×360 mm: 6/12/C1/R, 12/30/C1/R, 6/12/C1/K, 12/30/C1/K;
- 400×500 mm: 30/60/C2/R, 60/120/C2/R, 30/60/C2/K, 60/120/C2/K.

Infrared proximity sensors

- PRINT function
- TARE function
- opening weighing chambers
- sensors' sensitivity adjustment



Data exchange through USB storage devices

- updating balance software
- exporting weighing data
- exporting/importing databases
- exporting/importing balance settings
- exchanging data between balances

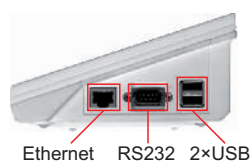


Separable Indicator

The possibility of detach the indicator from the weighing chamber significantly limits shocks and vibrations that are moved on the weighing chamber, reduces imensions and increases the ergonomics of operation



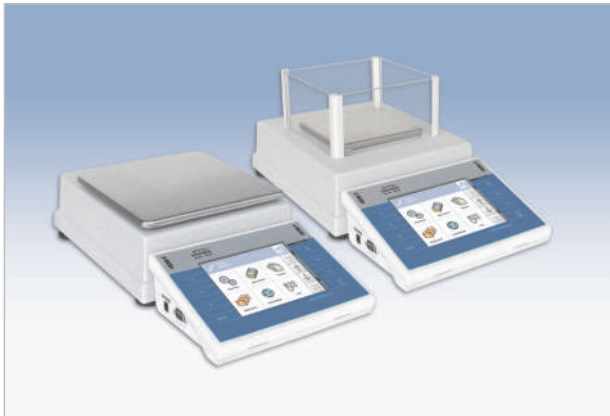
Communication interfaces



Technical data:

| | WLY 1/D2 | WLY 2/D2 | WLY 6/D2 | WLY 10/D2 | WLY 20/D2 |
|---------------|-------------------------------------|----------|----------|-----------|-----------|
| Max capacity | 1 kg | 2 kg | 6 kg | 10 kg | 20 kg |
| Readability | 0,01 g | 0,01 g | 0,1 g | 0,1 g | 0,1 g |
| Tare range | -1 kg | -2 kg | -6 kg | -10 kg | -20 kg |
| Repeatability | 0,03 g | 0,03 g | 0,1 g | 0,2 g | 0,2 g |
| Linearity | ± 0,03 g | ± 0,03 g | ± 0,1 g | ± 0,2 g | ± 0,2 g |
| Power supply | 230V / 11V AC or 120V / 11V AC | | | | |
| IP rating | IP 54 | | | | |
| Pan size | 195×195 mm | | | | |
| Interface | 2×USB, RS 232, Ethernet, 4in / 4out | | | | |
| Display | 5,7" touch screen | | | | |

PRECISION BALANCES PS/Y



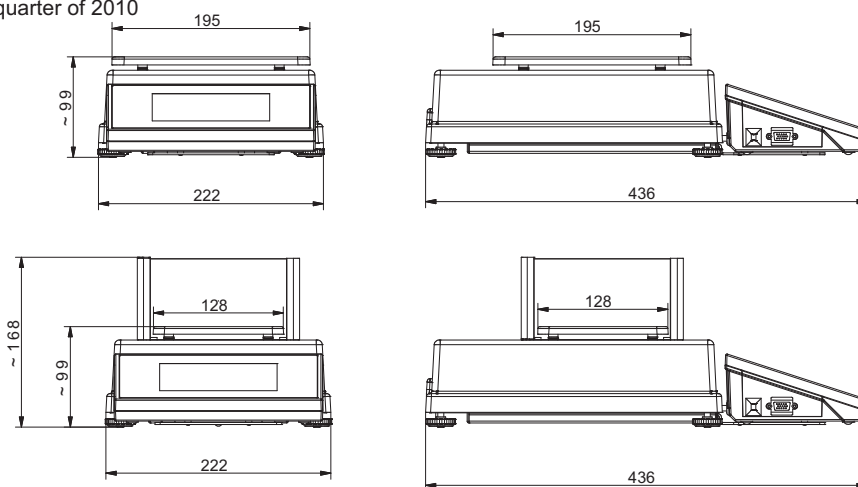
Precise balances of PS/Y are the response for the growing market demands concerning simple operation and maximum automation of the weighing process.

Measurement reliability and accuracy is assured by internal calibration triggered by time flow or temperature conditions.

Balances equipped in a new electronic modules and are operated using a touch panel covering a 5.7" colour graphic display. Y scales have implemented new easily operated software.

- Counting pieces
- Filling
- Animal weighing
- Density determination
- Checkweighing
- Percentage
- Statistics
- Formulation

* verified from the first quarter of 2010



Technical data:

| | PS 200/2000/Y | PS 250/Y | PS 450/Y | PS 750/Y | PS 1000/Y | PS 1500/Y | PS 2500/Y | PS 4500/Y | PS 6000/Y | PS 8000/Y** |
|-------------------------|--------------------------------------|----------|------------|------------|------------|------------|-----------|-----------|-----------|-------------|
| Max capacity | 200/2000 g | 250 g | 450 g | 750 g | 1000 g | 1500 g | 2500 g | 4500 g | 6000 g | 8000 g |
| Minimal load | 20 mg | 20 mg | 20 mg | 20 mg | 20 mg | 500 mg | 500 mg | 500 mg | 500 mg | 500 mg |
| Readability | 1/10 mg | 1 mg | 1 mg | 1 mg | 1 mg | 10 mg | 10 mg | 10 mg | 10 mg | 10 mg |
| Tare range | -2000 g | -250 g | -450 g | -750 g | -1000 g | -1500 g | -2500 g | -4500 g | -6000 g | -8000 g |
| Linearity | ±2/10 mg | ±2 mg | ±2 mg | ±3 mg | ±3 mg | ±20 mg | ±20 mg | ±20 mg | ±30 mg | 15 mg |
| Repeatability | 1/10 mg | 1 mg | 1 mg | 1,5 mg | 1,5 mg | 10 mg | 10 mg | 10 mg | 15 mg | ±20 mg |
| Pan size | 128×128 mm | | | | | 195×195 mm | | | | |
| Stabilization time | 2 s / 1,5 s | 2 s | 2 s | 2 s | 2 s | 1,5 s | 1,5 s | 1,5 s | 1,5 s | 1,5 s |
| Sensitivity drift | 2 ppm/°C in temperature +18 - +30 °C | | | | | | | | | |
| Working temperature | +15 - +30 °C | | | | | | | | | |
| Power supply | 230V / 11V AC or 120V / 11V AC | | | | | | | | | |
| Net weight/Gross weight | 5/7,1 kg | 4,1/6 kg | 4,4/6,3 kg | 4,4/6,3 kg | 4,4/6,3 kg | 5/7,1 kg | 5/7,1 kg | 5/7,1 kg | 5/7,1 kg | 3,4/5,3 kg |
| Packaging size | 570×325×225 mm | | | | | | | | | |

** external calibration

Additional equipment:

| | |
|--|---|
| Anti-vibration table | Foot button for tare or print functions |
| "Kafka" thermal printer | Rack for under hook weighing |
| Needle printer "Epson" | LCD additional display |
| Citizen label printer | External rechargeable battery pack |
| Density determination kit for solids and liquids | Suitcase for balance |
| PC keyboard | Computer software: PW-WIN, RAD-KEY |

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