



CATALOG 2021



INDEX:

1. Analytical balances	3-4
2. Compact laboratory balances	5
3. Professional laboratory balances	6-7
4. Pharmacy laboratory balances	8
5. Jewellery balances	8
6. Moisture analyzers	9
7. Precise technical scales	10
8. Popular technical scales	10
9. Bench technical scales	11
10. Precise technical bench scales (6000e)	11
11. Counting scales	11
12. Precise counting scales (6000e)	11
13. Postal scales	12
14. Hook scales	12
15. Portable technical scales	13
16. Personal scales	13
17. Popular platform scale - C series	14
18. Platform scales	15
19. Stainless platform scales	16
20. Hermetic platform scales	17
21. Precise platform scales (6000e)	18
22. Stainless precise platform scales (6000e)	18
23. Big platform scales	19
24. Stainless big platform scales	19
25. Foundation scales	20
26. Stainless foundation scales	20
27. Pallet scales	21
28. Stainless pallet scales	21
29. Skid scales	22
30. Stainless skid scales	22
31. Ramp scales	23
32. Stainless ramp scales	23
33. Scale meters	24
34. Module scale meters	25
35. Printers	25
36. Label printers, labelling software	25
37. Computer software	26
38. Force gauges	27
39. Multi-range force gauges	28
40. Force gauges - accessory	29
41. Torque testers	30
42. Special functions	31
43. Equipment	32
44. Standards of mass	33
45. Legalization (verification)	33

1 Analytical balances

Balances with big LCD display



- internal calibration
- draft shield
- clock (date and time)
- RS232C
- USB type B (computer) and USB type A (pendrive)
- Alibi memory

1. ACN60	60g / 0,0001g	90 mm
2. ACN120	120g / 0,0001g	90 mm
3. ACN220	220g / 0,0001g	90 mm



- external calibration
- draft shield
- clock (date and time)
- RS232C
- USB type B (computer) and USB type A (pendrive)

4. ACE60	60g / 0,0001g	90 mm
5. ACE120	120g / 0,0001g	90 mm
6. ACE220	220g / 0,0001g	90 mm

Balances with graphical display and extended set of keys



- internal calibration
- draft shield
- clock (date and time)
- RS232C
- USB type B, USB type A
- Alibi memory + Measurements database

7. ACN60G	60g / 0,0001g	90 mm
8. ACN120G	120g / 0,0001g	90 mm
9. ACN220G	220g / 0,0001g	90 mm



- external calibration
- draft shield
- clock (date and time)
- RS232C
- USB type B, USB type A
- Alibi memory + Measurements database

10. ACE60G	60g / 0,0001g	90 mm
11. ACE120G	120g / 0,0001g	90 mm
12. ACE220G	220g / 0,0001g	90 mm

HYDRO KIT ACN set to measure density

Optional interfaces:

- LAN - Wi-Fi


1 Analytical balances

Compact basic balances with LCD display



- internal calibration
- compact draft shield
- RS232C, USB type B



13. ATN160 160g / 0,0001g 

- external calibration
- compact draft shield
- RS232C, USB type B




14. ATE160 160g / 0,0001g 

Compact balances with graphical display




- internal calibration
- compact draft shield
- RS232C, USB type B and PS/2 interface
- clock (date and time)



13. ATN160G 160g / 0,0001g 

- external calibration
- compact draft shield
- RS232C, USB type B and PS/2 interface
- clock (date and time)



14. ATE160G 160g / 0,0001g 

HYDRO KIT ATN set to measure density

Alibi memory

Optional interfaces:

- LAN

- Wi-Fi

2 Compact laboratory balances



Balances with internal calibration



- internal calibration
- LCD display
- RS232C, USB

1. ATA220	220g / 0,001g	45 mm
2. ATA320	320g / 0,001g	45 mm
3. ATA520	520g / 0,001g	45 mm
4. ATA1200	1200g / 0,01g	45 mm
5. ATA2200	2200g / 0,01g	45 mm



Balances without internal calibration



- LCD display
- RS232C

6. ATZ220	220g / 0,001g	45 mm
7. ATZ320	320g / 0,001g	45 mm
8. ATZ1200	1200g / 0,01g	45 mm
9. ATZ2200	2200g / 0,01g	45 mm



Balances without legal verification



- LCD display
- RS232C

10. ATZ520	520g / 0,001g	45 mm
------------	---------------	-------

Optional equipment

Transparent draft shield for 45 mm pan (positions 1-3, 6-7 and 10)

Interfaces:

- USB (ATA balance - in standard)

- LAN

- Wi-Fi

HYDRO KIT ATA to measure density (positions 1-3, 6 and 7, 10)

Alibi memory

Clock (date/time)

2 Compact laboratory balances



Balances with graphical display and internal calibration



- internal calibration
- clock (date and time)
- RS232C, USB type B and PS/2

1. ATA220G	220g / 0,001g	45 mm
2. ATA320G	320g / 0,001g	45 mm
3. ATA520G	520g / 0,001g	45 mm
4. ATA1200G	1200g / 0,01g	45 mm
5. ATA2200G	2200g / 0,01g	45 mm



Balances with graphical display and external calibration



- external calibration
- clock (date and time)
- RS232C, USB type B and PS/2

6. ATZ220G	220g / 0,001g	45 mm
7. ATZ320G	320g / 0,001g	45 mm
8. ATZ1200G	1200g / 0,01g	45 mm
9. ATZ2200G	2200g / 0,01g	45 mm



Balances without legal verification



- external calibration
- clock (date and time)
- RS232C, USB type B and PS/2

10. ATZ520G	520g / 0,001g	45 mm
-------------	---------------	-------

Optional equipment

Transparent draft shield for 45 mm pan (positions 1-3, 6-7 and 10)

Interfaces:

- LAN

- Wi-Fi

HYDRO KIT ATA to measure density (positions 1-3, 6 and 7, 10)

Alibi memory

3 Professional laboratory balances



Balances with LCD display and standard set of keys



- internal calibration
- clock (date and time)
- Alibi memory
- RS232C and USB type B

1. ACA220	220g / 0,001g	←11→mm
2. ACA320	320g / 0,001g	←11→mm
3. ACA520	520g / 0,001g	←11→mm
4. ACA620	620g / 0,001g	←11→mm
5. ACA820	820g / 0,001g	←11→mm
6. ACA1020	1020g / 0,001g	←11→mm
7. ACA2200	2200g / 0,01g	165x165 mm
8. ACA3200	3200g / 0,01g	165x165 mm
9. ACA4200	4200g / 0,01g	165x165 mm
10. ACA6200	6200g / 0,01g	180x180 mm



Balances with LCD display without internal calibration



- external calibration
- clock (date and time)
- Alibi memory
- RS232C and USB type B

11. ACZ220	220g / 0,001g	←11→mm
12. ACZ320	320g / 0,001g	←11→mm
13. ACZ520	520g / 0,001g	←11→mm
14. ACZ620	620g / 0,001g	←11→mm
15. ACZ820	820g / 0,001g	←11→mm
16. ACZ1020	1020g / 0,001g	←11→mm
17. ACZ2200	2200g / 0,01g	165x165 mm
18. ACZ3200	3200g / 0,01g	165x165 mm
19. ACZ4200	4200g / 0,01g	165x165 mm
20. ACZ6200	6200g / 0,01g	180x180 mm



Optional equipment

Transparent draft shield for ←11→mm - positions 1-6 and 11-16)

HYDRO KIT ACA set to measure density (positions 1-6 and 11-16)

3 Professional laboratory balances



Balances with graphical display (text menu)



- internal calibration
- clock (date and time)
- Alibi memory+Measurements database
- RS232C
- USB type B (computer) and USB type A (pendrive)

1. ACA220G	220g / 0,001g	
2. ACA320G	320g / 0,001g	
3. ACA520G	520g / 0,001g	
4. ACA620G	620g / 0,001g	
5. ACA820G	820g / 0,001g	
6. ACA1020G	1020g / 0,001g	
7. ACA2200G	2200g / 0,01g	165x165 mm
8. ACA3200G	3200g / 0,01g	165x165 mm
9. ACA4200G	4200g / 0,01g	165x165 mm
10.ACA6200G	6200g / 0,01g	180x180 mm



Balances with graphical display without internal calibration



- external calibration
- clock (date and time)
- Alibi memory+Measurements database
- RS232C
- USB type B (computer) and USB type A (pendrive)

11. ACZ220G	220g / 0,001g	
12. ACZ320G	320g / 0,001g	
13. ACZ520G	520g / 0,001g	
14. ACZ620G	620g / 0,001g	
15. ACZ820G	820g / 0,001g	
16. ACZ1020G	1020g / 0,001g	
17. ACZ2200G	2200g / 0,01g	165x165 mm
18. ACZ3200G	3200g / 0,01g	165x165 mm
19. ACZ4200G	4200g / 0,01g	165x165 mm
20.ACZ6200G	6200g / 0,01g	180x180 mm
21. ACZ10	10000g / 0,1g	180x180 mm

Optional equipment

Transparent draft shield for pan - positions 1-6, 11-16
 HYDRO KIT ACA set to measure density (positions 1-6, 11-16)

4 Pharmacy laboratory balances



Balances without internal calibration

- recipe making function
- cooperation with computer, label printer or barcode reader
- RS232C

1. ATZ220	220g / 0,001g	← 41 mm
2. ATZ2200	2200g / 0,01g	← 50 mm

Balances with internal calibration

- internal calibration
- recipe making function
- cooperation with computer, label printer or barcode reader
- RS232C, USB

3. ATA220	220g / 0,001g	← 41 mm
4. ATA2200	2200g / 0,01g	← 50 mm

Optional equipment

Transparent draft shield (with grip) for ← 41 mm pan



5 Jewellery balances



Balances with additional indicator for direct legal trade (e.g. buying gold)

- additional LCD indicator
- cooperation with computer, label printer or barcode reader
- RS232C

1. ATZ220R	220g / 0,01g	← 41 mm
2. ATZ2200R	2200g / 0,1g	← 50 mm



Balances without additional indicator for other applications (e.g. weight determination at the back of the store)

- cooperation with computer, label printer or barcode reader
- RS232C

3. ATZ220	220g / 0,001g	← 41 mm
4. ATZ2200	2200g / 0,01g	← 50 mm



Optional equipment

USB interface (to computer)

6 Moisture analyzers



Standard moisture analyzers



- graphical display
- halogen radiators
- drying temp. up to 160° C
- clock (date, hour)
- RS232C, PS2, USB

1. ATS60	60g / 1mg	90 mm
2. ATS120	120g / 1mg	90 mm
3. ATS210	210g / 1mg	90 mm

- technological moisture analyzer
- halogen radiators
- drying temp. up to 160° C
- clock (date, hour)
- RS232C, PS2, USB

4. BTS110D	110g / 5mg	90 mm
5. BTS110	110g / 10mg	90 mm



Professional moisture analyzers



- big graphical display
- halogen radiators
- drying temp. up to 160° C
- clock (date, hour)
- RS232C, PS2

6. AGS50D (for plastics)	50g / 0,1mg	90 mm
7. AGS60	60g / 1mg	90 mm
8. AGS120	120g / 1mg	90 mm
9. AGS210	210g / 1mg	90 mm

- big graphical display
- halogen radiators
- drying temp. up to 250° C
- clock (date, hour)
- RS232C, PS2

10. AGS60/T250	60g / 1mg	90 mm
11. AGS120/T250	120g / 1mg	90 mm
12. AGS210/T250	210g / 1mg	90 mm

Optional equipment

PROMas computer software (drying chart, archiving)

Calibration thermometer up to 250° C

Thermometer calibration

Single use pan SJ 90 (10 pieces)

Paper filters 90 mm (100 pieces)

Glass filters 90 mm (100 pieces)

7 Precise technical scales



- *products and users database*
- *cooperation with computer, label printer or barcode reader*
- *LCD display*
- *RS232C*

1. BTA210	200g / 0,01g	45 mm
2. BTA210D	200g / 0,001g	45 mm

3. BTA2100	2000g / 0,1g	45 mm
4. BTA2100D	2000g / 0,01g	45 mm

Optional equipment

Internal accumulators supply

NiMH accumulators (1,5V; size AA - 4pieces)

USB interface + internal accumulators supply

Internal clock

Draft shield - position 1 and 2

8 Popular technical scales



- *products and users database*
- *cooperation with computer, label printer or barcode reader*
- *LCD display*
- *RS232C*

1. BD0.3TA	300g / 0,1g (*0,01g)	45 mm
------------	----------------------	-------

2. BD0.6T	600g / 0,2g (*0,02g)	225 x 165 mm
-----------	----------------------	--------------

3. BD1.5T	1500g / 0,5g (*0,05g)	225 x 165 mm
-----------	-----------------------	--------------

4. BD2T	2000g / 1g (*0,1g)	225 x 165 mm
---------	--------------------	--------------

5. BD3T	3000g / 1g (*0,1g)	225 x 165 mm
---------	--------------------	--------------

6. BD6T	6000g / 2g (*0,2g)	225 x 165 mm
---------	--------------------	--------------

7. BD15T	15kg / 5g (*0,5g)	225 x 165 mm
----------	-------------------	--------------

- *readout for scales without legal verification



8. BD6TYD	6000g / 0,1g	225 x 165 mm
-----------	--------------	--------------

9. BD10TYD	10kg / 0,1g	225 x 165 mm
------------	-------------	--------------

Optional equipment

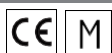
Ready for internal accumulator supply - position 1

NiMH accumulators (1,5V; size AA - 4 pieces) - position 1

Internal accumulator - positions 2-9

Double-range (better precision for small weights) - position 3-7

9 Technical bench scales



- *products and users database*
- *LCD 30mm display*
- *RS232C, USB*

1. BD1.5TW	1,5kg / 0,5g (*0,05g)	300 x 210 mm
2. BD3TW	3kg / 1g (*0,1g)	300 x 210 mm
3. BD6TW	6kg / 2g (*0,2g)	300 x 210 mm
4. BD15TW	15kg / 5g (*0,5g)	300 x 210mm
5. BD30TW	30kg / 10g (*1g)	300 x 210 mm

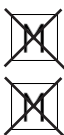
*readout for scales without legal verification

10 Precise bench scales



- *products and users database*
- *LCD 30mm display*
- *RS232C, USB*

6. BD3TWY	3kg / 0,5g	300 x 210 mm
7. BD6TWY	6kg / 1g	300 x 210 mm
8. BD12TWY	12kg / 2g	300 x 210 mm
9. BD30TWY	30kg / 5g	300 x 210 mm



10. BD6TWYD	6kg / 0,1g	300 x 210 mm
11. BD10TWYD	10 kg / 0,1g	300 x 210 mm
12. BD20TWYD	20kg / 0,1g	300 x 210 mm
13. BD30TWYD	30kg / 0,1g	300 x 210 mm

11 Counting scales



- *products library (1000)*
- *LCD displays (3x15mm)*
- *RS232C, USB*

1. BD1.5TL	1,5kg / 0,5g (*0,05g)	300 x 210 mm
2. BD3TL	3kg / 1g (*0,1g)	300 x 210 mm
3. BD6TL	6kg / 2g (*0,2g)	300 x 210 mm
4. BD15TL	15kg / 5g (*0,5g)	300 x 210 mm
5. BD30TL	30kg / 10g (*1g)	300 x 210 mm

*readout for scales without legal verification

12 Precise counting scales



- *products library (1000)*
- *LCD displays (3x15mm)*
- *RS232C, USB*

6. BD3TLY	3kg / 0,5g (*0,1g)	300 x 210 mm
7. BD6TLY	6kg / 1g (*0,1g)	300 x 210 mm
8. BD12TLY	12kg / 2g (*0,2g)	300 x 210 mm
9. BD30TLY	30kg / 5g (*0,5g)	300 x 210 mm

*readout for scales without legal verification

Optional equipment

Double-range (better precision for small weights) - all 9 and 10 chapter scales

Accumulator EP-4.5-6 (4,5Ah 6V)

Additional displays at the back of the scale - all counting scales

13 Postal scales



- cooperation with POCZTA system
- external 12V supplier
- RS232C

Letter scales - LCD display without backlight

1. BD2P	2000g / 1g	165 x 225 mm
---------	------------	--------------



Parcel scales - LED display

2. BA30P	30kg / 10g	400 x 400 mm
3. BA50P	50kg / 20g	400 x 500 mm

Optional equipment

Double-range (better precision for small weights)

14 Hook scales



- LCD 13mm display (with backlight)
- housing - lacquered aluminium
- external 12V supplier
- internal accumulators (max 16 hours work)
- RS232C

1. BD3S	3kg / 1g
2. BD6S	6kg / 2g
3. BD15S	15kg / 5g
4. BD30S	30kg / 10g
5. BD60S	60kg / 20g
6. BD150S	150kg / 50g

Optional equipment

PM-01 pilot (radio steering)
Radio antenna (to communicate with PM-01)

15 Portable technical scales



- LCD 13mm display
- pan covered with rubber
- meter housing - lacquered aluminium
- internal accumulator
- 12V external supplier
- RS232C

1. BA30LG	30kg / 10g (*1g)	300 x 330 mm
2. BA60LG	60kg / 20g (*2g)	300 x 330 mm
3. BA150LG	150kg / 50g (*5g)	300 x 330 mm

*readout for scales without legal verification

Optional equipment

Double-range (better accuracy for small weights)

16 Personal scales



- LCD 18mm display
- pan covered with rubber
- 12V external supplier
- RS232C

Scales adjusted for stadiometer, meter in plastic housing

1. BA150L	150kg / 50g	300 x 330 mm
2. BA200L	200kg / 100g	300 x 330 mm

Scales without stadiometer, meter in aluminium housing

3. BA150LM	150kg / 50g	300 x 330 mm
4. BA200LM	200kg / 100g	300 x 330 mm

Optional equipment

Stadiometer SECA (calibrated, 60-200cm)

Double-range (better precision for small weights)

ME-01/A/LCD meter in aluminium housing - positions 1 and 2

17 Popular platform scales - C series



- metal platform with PVC cover
- ME-01/P/LCD meter (18mm)
- meter housing - antistatic plastic
- products and users database
- 12V external supplier
- accumulator supply
- RS232C

1. BA15C - A5 (400x400)	15kg / 5g (*1g)
2. BA30C - A5 (400x400)	30kg / 10g (*1g)
3. BA30C - A6 (400x500)	- II -
4. BA30C - A8 (600x500)	- II -
5. BA60C - A5 (400x400)	60kg / 20g (*2g)
6. BA60C - A6 (400x500)	- II -
7. BA60C - A8 (600x500)	- II -
8. BA150C - A6 (400x500)	150kg / 50g (*10g)
9. BA150C - A8 (600x500)	- II -
10. BA300C - A6 (400x500)	300kg / 100g (*10g)
11. BA300C - A8 (600x500)	- II -

Scales with meter on cable



12. BA15CK - A5 (400x400)	15kg / 5g (*1g)
13. BA30CK - A5 (400x400)	30kg / 10g (*1g)
14. BA30CK - A6 (400x500)	- II -
15. BA30CK - A8 (600x500)	- II -
16. BA60CK - A5 (400x400)	60kg / 20g (*2g)
17. BA60CK - A6 (400x500)	- II -
18. BA60CK - A8 (600x500)	- II -
19. BA150CK - A6 (400x500)	150kg / 50g (*10g)
20. BA150CK - A8 (600x500)	- II -
21. BA300CK - A6 (400x500)	300kg / 100g (*10g)
22. BA300CK - A8 (600x500)	- II -

*readout for scales without legal verification



Platform options

- Platform (pan) 400x500 mm stainless steel, acid resistant
- Platform (pan) 500x600 mm stainless steel, acid resistant

Optional equipment

NiMH accumulators (1,5V; size AA - 4 pieces)

ME-01/A/LCD meter in aluminium housing with 12V supply

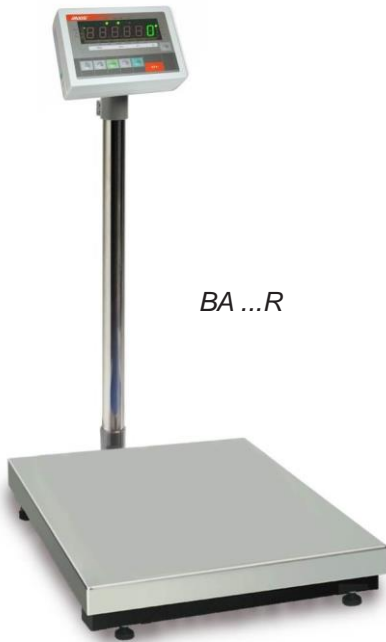
ME-01/A/LCD meter in aluminium housing with ~230V supply

ME-01/P/25 meter in plastic housing, LED 25mm display

Double-range (better precision for small weights)



TYPE	PLATFORM	MAX/READOUT
------	----------	-------------



BA ...R

- pan - stainless steel
- ME-01/A/18 meter - LED, lacquered alum.
- IP65 sensor
- ~230V supply
- products and users database
- RS232C

Scales with rotating meter (adjustable tilt angle) on column

1. BA30R - A5 (400x400)	30kg / 10g (*1g)
2. - II - - A6 (400x500)	- II -
3. - II - - A8 (600x500)	- II -
4. - II - - A10 (800x800)	- II -
5. BA60R - A5 (400x400)	60kg / 20g (*2g)
6. - II - - A6 (400x500)	- II -
7. - II - - A8 (600x500)	- II -
8. - II - - A10 (800x800)	- II -
9. BA150R - A5 (400x400)	150kg / 50g (*5g)
10. - II - - A6 (400x500)	- II -
11. - II - - A8 (600x500)	- II -
12. - II - - A10 (800x800)	- II -
13. BA300R - A8 (600x500)	300kg / 100g (*10g)
14. - II - - A10 (800x800)	- II -

Scales with meter on cable

22. BA0.3K - A0 (100x150)	300g / 0,1g (*0,01g)
23. BA0.6K - A1 (150x200)	600g / 0,2g (*0,02g)
24. BA1.5K - A1 (150x200)	1,5kg / 0,5g (*0,05g)
25. BA3K - A2 (200x200)	3kg / 1g (*0,1g)
26. BA3K - A3 (250x260)	- II -
27. BA3MK - A4+ (305x315)	- II -
28. BA6K - A3 (250x260)	6kg / 2g (*0,2g)
29. BA6MK - A4+ (305x315)	- II -
30. BA15K - A3 (250x260)	15kg / 5g (*1g)
31. BA15MK - A4 (300x300)	- II -
32. BA15K - A5 (400x400)	- II -
33. BA30K - A5 (400x400)	30kg / 10g (*1g)
34. BA30K - A6 (400x500)	- II -
35. - II - - A8 (600x500)	- II -
36. - II - - A10 (800x800)	- II -
37. BA60K - A5 (400x400)	60kg / 20g (*2g)
38. BA60K - A6 (400x500)	- II -
39. - II - - A8 (600x500)	- II -
40. - II - - A10 (800x800)	- II -
41. BA150K - A5 (400x400)	150kg / 50g (*10g)
42. - II - - A6 (400x500)	- II -
43. BA150K - A8 (600x500)	- II -
44. - II - - A10 (800x800)	- II -
45. BA300K - A8 (600x500)	300kg / 100g (*10g)
46. - II - - A10 (800x800)	- II -

*readout for scales without legal verification

BA ...K



Optional equipment

Other scale meter (available meters - page 23)

12V supply option + accumulator + LCD display (scales with A5 - A10 platform)

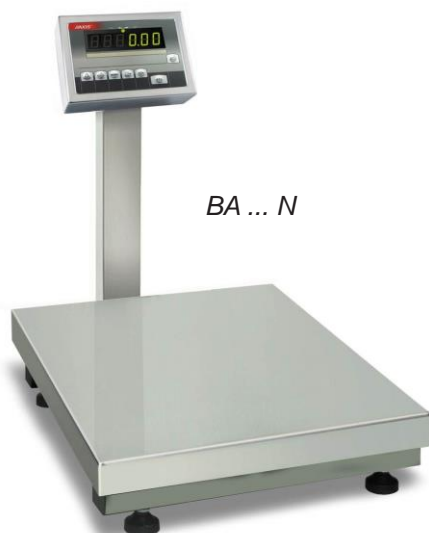
Double-range (better precision for smaller weights)

19 Stainless steel platform scales



- resistant to water and detergents
- entire construction - stainless steel
- meter ME-01/N/18 - LED, stainless, Ip65
- IP67 sensor
- ~230V supply

Stainless steel scales on column



BA ... N

1.	BA3N - A3	(250x260)	3kg / 1g (*0,1g)
2.	BA6N - A3	(250x260)	6kg / 2g (*0,2g)
3.	BA15N - A3	(250x260)	15kg / 5g (*1g)
4.	BA15N - A5	(400x400)	- II -
5.	BA15N - A6	(400x500)	- II -
6.	BA30N - A5	(400x400)	30kg / 10g (*1g)
7.	BA30N - A6	(400x500)	- II -
8.	- II - - A8	(600x500)	- II -
9.	BA60N - A5	(400x400)	60kg / 20g (*2g)
10.	BA60N - A6	(400x500)	- II -
11.	- II - - A8	(600x500)	- II -
12.	- II - - A10	(800x800)	- II -
13.	BA150N - A5	(400x400)	150kg / 50g (*10g)
14.	- II - - A6	(400x500)	- II -
15.	BA150N - A8	(600x500)	- II -
16.	- II - - A10	(800x800)	- II -
17.	BA300N - A8	(600x500)	300kg / 100g (*10g)
18.	- II - - A10	(800x800)	- II -

Stainless steel scales with meter on cable



BA ... NK

19.	BA3NK - A3	(250x260)	3kg / 1g (*0,1g)
20.	BA6NK - A3	(250x260)	6kg / 2g (*0,2g)
21.	BA15NK - A3	(250x260)	15kg / 5g (*1g)
22.	BA15NK - A5	(400x400)	- II -
23.	BA15NK - A6	(400x500)	- II -
24.	BA30NK - A5	(400x400)	30kg / 10g (*1g)
25.	BA30NK - A6	(400x500)	- II -
26.	- II - - A8	(600x500)	- II -
27.	BA60NK - A5	(400x400)	60kg / 20g (*2g)
28.	BA60NK - A6	(400x500)	- II -
29.	- II - - A8	(600x500)	- II -
30.	- II - - A10	(800x800)	- II -
31.	BA150NK - A5	(400x400)	150kg / 50g (*10g)
32.	- II - - A6	(400x500)	- II -
33.	BA150NK - A8	(600x500)	- II -
34.	- II - - A10	(800x800)	- II -
35.	BA300NK - A8	(600x500)	300kg / 100g (*10g)
36.	- II - - A10	(800x800)	- II -

*readout for scales without legal verification

Optional equipment

Other meter (available meters - page 23)

RS232C interface (let out through conduit)

12V supply option + accumulator + LCD display (scales with platform A5 - A10)

Double-range (better precision for smaller weights)

20 Hermetic platform scales



- resistance to salts and acids
- entire construction - stainless steel
- ME-01/N/18 meter - LED, stainless, IP65
- IP68 sensor
- ~230V supply

Scales with meters on column



BA ... H

1. BA1.5H - A3 (250x260)	1,5kg / 0,5g (*0,1g)
2. BA3H - A3 (250x260)	3kg / 1g (*0,1g)
3. BA6H - A3 (250x260)	6kg / 2g (*0,2g)
4. BA15H - A3 (250x260)	15kg / 5g (*1g)
5. BA15H - A5 (400x400)	- II -
6. BA15H - A6 (400x500)	- II -
7. BA30H - A5 (400x400)	30kg / 10g (*1g)
8. BA30H - A6 (400x500)	- II -
9. - II - - A8 (600x500)	- II -
10. BA60H - A5 (400x400)	60kg / 20g (*2g)
11. BA60H - A6 (400x500)	- II -
12. - II - - A8 (600x500)	- II -
13. - II - - A10 (800x800)	- II -
14. BA150H - A5 (400x400)	150kg / 50g (*10g)
15. - II - - A6 (400x500)	- II -
16. BA150H - A8 (600x500)	- II -
17. - II - - A10 (800x800)	- II -
18. BA300H - A8 (600x500)	300kg / 100g (*10g)
19. - II - - A10 (800x800)	- II -

Scales with meters on cable



BA ... HK

20. BA1.5HK - A3 (250x260)	1,5kg / 0,5g (*0,1g)
21. BA3HK - A3 (250x260)	3kg / 1g (*0,1g)
22. BA6HK - A3 (250x260)	6kg / 2g (*0,2g)
22. BA15HK - A3 (250x260)	15kg / 5g (*1g)
23. BA15HK - A5 (400x400)	- II -
24. BA15HK - A6 (400x500)	- II -
25. BA30HK - A5 (400x400)	30kg / 10g (*1g)
26. BA30HK - A6 (400x500)	- II -
27. - II - - A8 (600x500)	- II -
28. BA60HK - A5 (400x400)	60kg / 20g (*2g)
29. BA60HK - A6 (400x500)	- II -
30. - II - - A8 (600x500)	- II -
31. - II - - A10 (800x800)	- II -
32. BA150HK - A5 (400x400)	150kg / 50g (*10g)
33. BA150HK - A6 (400x500)	- II -
34. BA150HK - A8 (600x500)	- II -
35. - II - - A10 (800x800)	- II -
36. BA300HK - A8 (600x500)	300kg / 100g (*10g)
37. - II - - A10 (800x800)	- II -

*readout for scales without legal verification

Optional equipment

Other meter (available meters - page 23)

RS232C interface (let out through conduit)

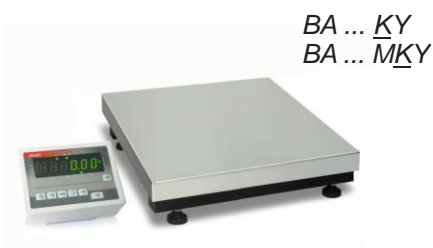
12V supply option + accumulator + LCD display (scales with platform A5 - A10)

Double-range (better precision for smaller weights)

21 Precise platform scales (6000e)



BA ... Y
BA ... MY



BA ... KY
BA ... MKY

- pan - stainless steel
- ME-01/A/18 meter - lacquered aluminium
- IP65 sensor
- ~230V supply
- products and users database
- RS232C

Scales with meter on column

1. BA3Y - A3 (250x260)	3kg / 0,5g (*0,1g)
2. BA6Y - A3 - II -	6kg / 1g (*0,1g)
3. BA12Y - A3 - II -	12kg / 2g (*0,2g)
4. BA3MY - A4 (300x300)	3kg / 0,5g (*0,1g)
5. BA6MY - A4 - II -	6kg / 1g (*0,1g)
6. BA12MY - A4 - II -	12kg / 2g (*0,2g)
7. BA30Y - A5 (400x400)	30kg / 5g (*0,5g)
8. BA60Y - A5 - II -	60kg / 10g (*1g)
9. BA120Y - A5 - II -	120kg / 20g (*2g)

Scales with meter on cable

10. BA3KY - A2 (200x200)	3kg / 0,5g (*0,1g)
11. BA3KY - A3 (250x260)	- II -
12. BA3MKY - A4 (300x300)	- II -
13. BA6KY - A3 (250x260)	6kg / 1g (*0,1g)
14. BA6MY - A4 (300x300)	- II -
15. BA12KY - A3 (250x260)	12kg / 2g (*0,2g)
16. BA12MKY - A4 - II -	- II -
17. BA30KY - A5 (400x400)	30kg / 5g (*0,5g)
18. BA60KY - A5 - II -	60kg / 10g (*1g)
19. BA120KY - A5 - II -	120kg / 20g (*2g)

22 Precise stainless scales (6000e)



BA ... NY



BA ... NKY

- resistant to water and detergents
- entire construction - stainless steel
- ME-01/N/18 meter - LED, stainless, IP65
- IP67 sensor
- ~230V supply
- products and users database

Scales with meter on column

1. BA6NY - A3 (250x260)	6kg / 1g (*0,1g)	2 500 zł	3 075 zł
2. BA12NY - A3 (250x260)	12kg / 2g (*0,2g)	2 500 zł	3 075 zł
3. BA30NY - A5 (400x400)	30kg / 5g (*0,5g)	2 900 zł	3 567 zł
4. BA60NY - A5 (400x400)	60kg / 10g (*1g)	2 900 zł	3 567 zł
5. BA60NY - A6 (400x500)	- II -	2 950 zł	3 629 zł
6. BA120NY - A5 (400x400)	120kg / 20g (*2g)	2 900 zł	3 567 zł
7. BA120NY - A6 (400x500)	- II -	2 950 zł	3 629 zł

Scales with meter on cable

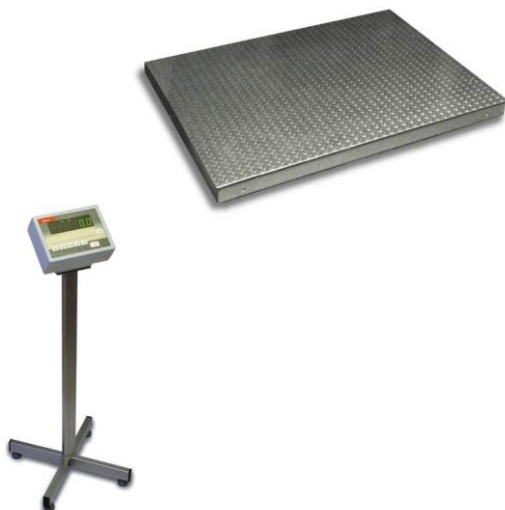
8. BA6NKY - A3 (250x260)	6kg / 1g (*0,1g)	2 500 zł	3 075 zł
9. BA12NKY - A3 (250x260)	12kg / 2g (*0,2g)	2 500 zł	3 075 zł
10. BA30NKY - A5 (400x400)	30kg / 5g (*0,5g)	2 700 zł	3 321 zł
11. BA60NKY - A5 (400x400)	60kg / 10g (*1g)	2 700 zł	3 321 zł
12. BA60NKY - A6 (400x500)	- II -	2 750 zł	3 383 zł
13. BA120NKY - A5 (400x400)	120kg / 20g (*2g)	2 700 zł	3 321 zł
14. BA120NKY - A6 (400x500)	- II -	2 750 zł	3 383 zł

*readout for scales without legal verification

Optional equipment

Other meter (available meters - page 23)
RS232C interface (let out through conduit)

23 Big platform scales



- platform - grooved steel, lacquered
- ME-01/A/18 meter - LED, lacquered aluminium
- IP67 steel sensors
- ~230V supply
- products and users database
- RS232C

1.	4BA300 - B (1000x1000)	300kg / 0,1kg
2.	- II - - C (1250x1250)	300kg / 0,1kg
3.	4BA600 - B (1000x1000)	600kg / 0,2kg
4.	- II - - C (1250x1250)	600kg / 0,2kg
5.	4BA1500 - B (1000x1000)	1500kg / 0,5kg
6.	- II - - C (1250x1250)	1500kg / 0,5kg
7.	- II - - D1 (1500x1500)	1500kg / 0,5kg
8.	4BA2000 - C (1250x1250)	2000kg / 1kg
9.	- II - - D1 (1500x1500)	2000kg / 1kg
10.	4BA3000 - D2 (1500x1500)	3000kg / 1kg
11.	- II - - E (1500x2000)	3000kg / 1kg
12.	4BA3500 - E (1500x2000)	3500kg / 2kg
13.	4BA6000 - E (1500x2000)	6000kg / 2kg

24 Stainless big platform scales



- resistant to water and detergents
- entire construction - stainless steel
- ME-01/N/18 meter - LED, stainless, IP65
- Ip68 sensor
- ~230V supply

1.	4BA300N - B (1000x1000)	300kg / 0,1kg
2.	- II - - C (1250x1250)	300kg / 0,1kg
3.	4BA600N - B (1000x1000)	600kg / 0,2kg
4.	- II - - C (1250x1250)	600kg / 0,2kg
5.	4BA1500N - B (1000x1000)	1500kg / 0,5kg
6.	- II - - C (1250x1250)	1500kg / 0,5kg
7.	- II - - D1 (1500x1500)	1500kg / 0,5kg
8.	4BA2000N - C (1250x1250)	2000kg / 1kg
9.	- II - - D1 (1500x1500)	2000kg / 1kg
10.	4BA3000N - D2 (1500x1500)	3000kg / 1kg
11.	- II - - E (1500x2000)	3000kg / 1kg
12.	4BA3500N - E (1500x2000)	3500kg / 2kg
13.	4BA6000N - E (1500x2000)	6000kg / 2kg

Optional equipment

Meter stand

RS232C interface (let out through conduit)

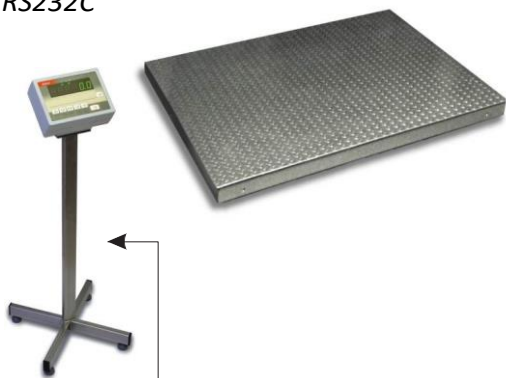
Double-range (better precision with small weights)

Other meter (available meters - page 23)

25 Foundation scales



- platform - grooved steel, lacquered
- ME-01/A/18 meter - LED, lacquered alum.
- steel sensors Ip67
- positioning elements
- products and users database
- RS232C



1.	4BA300F - B (1000x1000)	300kg / 0,1kg
2.	- II - - C (1250x1250)	300kg / 0,1kg
3.	4BA600F - B (1000x1000)	600kg / 0,2kg
4.	- II - - C (1250x1250)	600kg / 0,2kg
5.	- II - - D1(1500x1500)	600kg / 0,2kg
6.	4BA1500F - B (1000x1000)	1500kg / 0,5kg
7.	- II - - C (1250x1250)	1500kg / 0,5kg
8.	- II - - D1(1500x1500)	1500kg / 0,5kg
9.	4BA2000F - C (1250x1250)	2000kg / 1kg
10.	- II - - D1(1500x1500)	2000kg / 1kg
11.	4BA3000F - D2(1500x1500)	3000kg / 1kg
12.	- II - - E (1500x2000)	3000kg / 1kg
13.	4BA6000F - E (1500x2000)	6000kg / 2kg

26 Stainless foundation scales



- entire construction - stainless steel
- ME-01/N/18 meter - LED, stainless, IP65
- IP68 sensors
- stainless positioning elements
- stainless gas springs



1.	4BA300FN - B (1000x1000)	300kg / 0,1kg
2.	- II - - C (1250x1250)	300kg / 0,1kg
3.	4BA600FN - B (1000x1000)	600kg / 0,2kg
4.	- II - - C (1250x1250)	600kg / 0,2kg
5.	- II - - D1 (1500x1500)	600kg / 0,2kg
6.	4BA1500FN - B (1000x1000)	1500kg / 0,5kg
7.	- II - - C (1250x1250)	1500kg / 0,5kg
8.	- II - - D1 (1500x1500)	1500kg / 0,5kg
9.	4BA2000FN - C (1250x1250)	2000kg / 1kg
10.	- II - - D1 (1500x1500)	2000kg / 1kg
11.	4BA3000FN - D2 (1500x1500)	3000kg / 1kg
12.	- II - - E (1500x2000)	3000kg / 1kg
13.	4BA6000FN - E (1500x2000)	6000kg / 2kg
14.	4BA300FN1S - B (1000x1000)	300kg / 0,1kg
15.	- II - - C (1250x1250)	300kg / 0,1kg
16.	4BA600FN1S - B (1000x1000)	600kg / 0,2kg
17.	- II - - C (1250x1250)	600kg / 0,2kg
18.	4BA1500FN1S - B (1000x1000)	1500kg / 0,5kg
19.	- II - - C (1250x1250)	1500kg / 0,5kg
20.	4BA2000FN1S - C (1250x1250)	2000kg / 1kg
21.	4BA600FN2S - D1(1500x1500)	600kg / 0,2kg
22.	4BA1500FN2S - D1(1500x1500)	1500kg / 0,5kg
23.	4BA2000FN2S - D1(1500x1500)	2000kg / 1kg

Optional equipment

Foundation rim:	(B) - 1020x1020 mm
- II -	(C) - 1270x1270 mm
- II -	(D1, D2) - 1520x1520 mm
- II -	(E) - 1520x2020 mm

Meter stand

- RS232C interface (let out through conduit)
- Double-range (better precision with small weights)
- Other meter (available meters - page 23)

27 Pallet scales



- *load carrier - lacquered steel*
- *ME-01/A/18 meter - LED, lacquered aluminium*
- *IP67 sensors*
- *~230V supply*
- *products and users database*
- *RS232C*

1. 4BA300PA	300kg / 0,1kg	600x1135x78 mm
2. 4BA600PA	600kg / 0,2kg	-II-
3. 4BA1000PA	1000kg / 0,5kg	-II-
4. 4BA1500PA	1500kg / 0,5kg	-II-
5. 4BA2000PA	2000kg / 1kg	-II-
6. 4BA3000PA	3000kg / 1kg	-II-

28 Stainless pallet scales



- *resistant to water and detergents*
- *entire construction - stainless steel*
- *ME-01/N/18 meter - LED, stainless, IP65*
- *IP68 sensor*
- *~230V supply*
- *products and users database*

1. 4BA300PAN	300kg / 0,1kg	600x1135x74 - .79mm
2. 4BA600PAN	600kg / 0,2kg	-II-
3. 4BA1000PAN	1000kg / 0,5kg	-II-
4. 4BA1500PAN	1500kg / 0,5kg	-II-
5. 4BA2000PAN	2000kg / 1kg	-II-
6. 4BA3000PAN	3000kg / 1kg	600x1135x79 - .84mm

Optional equipment

Meter stand

RS232C interface (let out through conduit)

Double-range (better precision with small weights)

Other meter (available meters - page 23)

29 Skid scales



- Skids - lacquered steel, spacing 5m
- ME-01/A/18 meter - LED, lacquered aluminium
- IP67 sensors
- ~230V supply
- products and users database
- RS232C

1. 4BA300PZ	300kg / 0,1kg	1260x120x75mm
2. 4BA600PZ	600kg / 0,2kg	-II-
3. 4BA1000PZ	1000kg / 0,5kg	-II-
4. 4BA1500PZ	1500kg / 0,5kg	-II-
5. 4BA2000PZ	2000kg / 1kg	-II-
6. 4BA3000PZ	3000kg / 1kg	-II-

30 Stainless skid scales



- resistant to water and detergents
- entire construction - stainless steel
- ME-01/N/18 meter - LED, stainless, IP65
- IP68 sensors
- ~230V supply
- products and users database

1. 4BA300PZN	300kg / 0,1kg	1260x120x74 - .79mm
2. 4BA600PZN	600kg / 0,2kg	-II-
3. 4BA1000PZN	1000kg / 0,5kg	-II-
4. 4BA1500PZN	1500kg / 0,5kg	-II-
5. 4BA2000PZN	2000kg / 1kg	-II-
6. 4BA3000PZN	3000kg / 1kg	1200x120x79 - .84mm

Optional equipment

- Meter stand
- RS232C interface (let out through conduit)
- Double-range (better precision with small weights)
- Other meter (available meters - page 23)

31 Ramp scales



TYPE

MAX/READOUT

PLATFORM



- platform - grooved steel, lacquered
- ME-01/A/18 meter - LED, lacquered aluminium
- IP67 sensors
- positioning elements
- products and users database
- RS232C

1.	4BA300NA-A	300kg / 0,1kg	860 x 1000 x 48 mm
2.	- II - -A+	300kg / 0,1kg	1000 x 1000 x 48 mm
3.	4BA600NA-A	600kg / 0,2kg	860 x 1000 x 48 mm
4.	- II - -A+	600kg / 0,2kg	1000 x 1000 x 48 mm
5.	4BA1000NA-A+	1000kg / 0,5kg	1000 x 1000 x 48 mm
6.	- II - -B	1000kg / 0,5kg	1000 x 1250 x 48 mm
7.	4BA1500NA-A+	1500kg / 0,5kg	1000 x 1000 x 48 mm
8.	- II - -C	1500kg / 0,5kg	1250 x 1500 x 58 mm
9.	4BA2000NA-A+	2000kg / 1kg	1000 x 1000 x 48 mm
10.	- II - -C	2000kg / 1kg	1250 x 1500 x 58 mm

PLATFORM DIMENSIONS RAMP DIMEN. (2 pieces)

860 x 1000 x 48 mm	1100 x 360 mm
1000 x 1000 x 48 mm	1250 x 415 mm
1250 x 1500 x 58 mm	1500 x 480 mm

32 Stainless ramp scales



- platform and ramps - stainless steel
- ME-01/N/18 meter - LED, stainless, IP65
- sensors IP68
- ~230V supply
- products and users database

1.	4BA300NAN-A	300kg / 0,1kg	860 x 1000 x 48 mm
2.	- II - -A+	300kg / 0,1kg	1000 x 1000 x 48 mm
3.	4BA600NAN-A	600kg / 0,2kg	860 x 1000 x 48 mm
4.	- II - -A+	600kg / 0,2kg	1000 x 1000 x 48 mm
5.	4BA1000NAN-A+	1000kg / 0,5kg	1000 x 1000 x 48 mm
6.	- II - -B	1000kg / 0,5kg	1000 x 1250 x 48 mm
7.	4BA1500NAN-A+	1500kg / 0,5kg	1000 x 1000 x 48 mm
8.	- II - -C	1500kg / 0,5kg	1250 x 1500 x 58 mm
9.	4BA2000NAN-A+	2000kg / 1kg	1000 x 1000 x 48 mm
10.	- II - -C	2000kg / 1kg	1250 x 1500 x 58 mm

PLATFORM DIMENSIONS RAMP DIMEN. (2 pieces)

860 x 1000 x 48 mm	1100 x 360 mm
1000 x 1000 x 48 mm	1250 x 415 mm
1250 x 1500 x 58 mm	1500 x 480 mm

Optional equipment

Additional positioning grip (stainless steel, mounted to ground)

Meter stand

RS232C interface (let out through conduit)

Double-range (better precision with small weights)

Other meter (available meters - page 23)



- 3000 or 6000 verification divisions
- selection of Max, d and e
- interfaces for computer, barcode reader and printer connection



Standard meters in plastic housing

1. ME-01/P/LCD (antistatic plastic, LCD 18mm)
 2. ME-01/P/25 (antistatic plastic, LED 25mm)
- In standard: RS232C, accumulator supply option



Standard meters in aluminium housing

3. ME-01/A/18 (lacquered aluminium, LED 18mm)
 4. ME-01/A/LCD (lacquered aluminium, LCD 18mm)
- In standard: RS232C



Standard meters in stainless steel housing

5. ME-01/N/18 (stainless steel, LED digits height 18mm)
 6. ME-01/N/LCD (stainless steel, LCD digits height 18mm)
 7. ME-01/N/25 (stainless steel, LED digits height 25mm)
- In standard: -



Meter with numerical keyboard - weighing, pieces counting, inscribing data

8. ME-11/N/LCD (stainless steel, LCD 14mm, numerical keyboard)
- In standard: RS232C, clock



Dosage meters

(6 ingredients, 50 recipes, reports printout, PLC programming)

9. ME-02/N/LCD (stainless steel, LCD 14mm, dosing from 1 to 8 ingredients)
- In standard: RS232C, clock



Labelling meters

(RS232C, net weight, gross, tare, date, expiration date, price, value, barcode)

10. ME-03/N/G (stainless steel, graphical display)
- In standard: RS232C, clock



Meter designed to cooperate with computer systems (communication with computer, text indication)

11. ME-12/N/2xLCD (stainless steel, graphical display, Dialog protocol)
- In standard: RS232C (RS485 on demand)

Optional equipment

- LAN interface
- 4-20mA analog out
- Transoptors out
- External keys in

34 Module scale meters



Module meters (no display, DIN rail mounting)



1. ME-00/P/232 (plastic housing, RS232C out - max 15m)
2. ME-00/P/485 (plastic housing, Rs485 out - max 1 200m)
3. RS232C / LAN converter (applies to position 1)

35 Printers



1. AXIS C-001 (thermal, plastic housing, print width 11cm)
2. Picco (plastic housing, print width 5cm)
3. MEFKA-1 PDT (thermal, housing- lacquered steel, print width 11cm, ready to hang up, resistant to dust)

36 Label printers



1. ZD410 (thermal, office, print width 5cm, EPL2)
2. GC 420 d/t (thermal, office, print width 10cm, EPL2)
3. GC 420 t/t (thermal transfer, office, print width 10cm, EPL2)
4. ZT230-LP/EPL (thermal, industry, 203dpi, print width 10cm, EPL2)
5. ZT230-TLP/EPL (thermal transfer, industry, print width 10cm, EPL2)
6. DESIGNER software - label creating, setting the printer

Label printers cooperate with standard scales (basic data, simple barcodes)
or with scales equipped with special meter ME-03 (expiration date, barcodes with weight)

- 1. COMMUNICATION (freeware) - gathering weighing results and storing to text file**

The software is used for receiving and recording data from balance through RS232 serial port in the computer or through the ethernet network, and is designed for cooperation with our balances. It allows for zeroing, tare setting, measurements results reading and data transmission from the balance. It also allows for previewing and recording weighing results in text file, which may be later opened in other software, e.g. spreadsheet, for processing.
- 2. PROCELL - enables cooperation with WINDOWS applications**

The software is used for transmitting indications of standard balance to any Windows application (e.g. spreadsheet), to the cursor location. Program after activation resides in computer's memory, without performing any activities or interrupting other programs. To enter weighing results to the spreadsheet, it is required to connect the balance to RS232C serial port in the computer or local network (ethernet), start ProCELL program, open the spreadsheet and press the balance transmission key.
- 3. STAT (freeware) - weighing results archiving, statistical , graphs**

The software is designed for cooperation with our balances and is used for collecting measurements results and their statistical processing. It allows for operation in manual and automatic mode. Moreover it allows for setting any time interval between the successive measurements, as well as for determining the number of measurements for collecting. The measurements number for collecting may be unlimited.
- 4. PROMAS (freeware) - cooperation with moisture analyzer**

The software is designed to cooperate with AXIS moisture analyzers. The program provides the functionality of easy management of performed measurement, making adequate reports and exporting data to the popular files like PDF or Excel Sheets. The program draws exact scale drying graph. Supports 3 languages (polish, english and german).
- 5. FM (freeware) - data acquisition from force gauges, graphs**

The program is assigned to cooperate with AXIS FA, FB, FC force meters and torque testers. The program enables readout of measurements from force meter on-line (while working) or off-line (after earlier collection of measurement results in device memory). Moreover from AXIS FM level the majority of settings essential for measurements, saving them and saving diagrams is available.



- *press and pull force measurement*
- *saving measurements on micro SD, graphs, histogram*
- *RS232C, USB*
- *replaceable accumulators, 12V supply*
- *case*

Force gauges with internal force sensor (with set of tips)



Standard (max 40 measurements/s)

1. FB5	5N (0,5kg) / 0,001N (0,1g)
2. FB10	10N (1kg) / 0,002N (0,2g)
3. FB20	20N (2kg) / 0,005g (0,5g)
4. FB50	50N (5kg) / 0,01N (1g)
5. FB200	200N (20kg) / 0,05N (5g)
6. FB500	500N (50kg) / 0,1N (10g)

Force gauges with increased sampling time (max 1000 measurements/s)

7. FC5	5N (0,5kg) / 0,001N (0,1g)
8. FC10	10N (1kg) / 0,002N (0,2g)
9. FC20	20N (2kg) / 0,005g (0,5g)
10. FC50	50N (5kg) / 0,01N (1g)
11. FC200	200N (20kg) / 0,05N (5g)
12. FC500	500N (50kg) / 0,1N (10g)

Force gauges with external force sensors (with bearings)



Standard (max 40 measurements/s)

20. FB1k	1kN (100kg) / 0,2N (20g)
21. FB2k	2kN (200kg) / 0,5N (50g)
22. FB5k	5kN (500kg) / 1N (100g)
23. FB10k	10kN (1t) / 2N (200g)
24. FB20k	20kN (2t) / 5N (500g)
25. FB50k	50kN (5t) / 10N (1kg)
26. FB100k (without bearings)	100kN (10t) / 20N (2kg)
27. FB150k (without bearings)	150kN (15t) / 50N (5kg)
28. FB200k (without bearings)	200kN (20t) / 50N (5kg)

Force gauges with increased sampling time (max 1000 measurements/s)

29. FC1k	1kN (100kg) / 0,2N (20g)
30. FC2k	2kN (200kg) / 0,5N (50g)
31. FC5k	5kN (500kg) / 1N (100g)
32. FC10k	10kN (1t) / 2N (200g)
33. FC20k	20kN (2t) / 5N (500g)
34. FC50k	50kN (5t) / 10N (1kg)
35. FC100k (without bearings)	100kN (10t) / 20N (2kg)
36. FC150k (without bearings)	150kN (15t) / 50N (5kg)
37. FC200k (without bearings)	200kN (20t) / 50N (5kg)



Optional equipment

Bearing with joint and nut M42/3 for FB(C)100k-200k (pos.35-37)

x10 internal data memory extension (26 000 measurements with date and time)

FM software - force meter data transfer, graphs (FREE of charge!)

Bluetooth (connection with computer or motorized stand)

39 Multirange force meters



- replaceable force sensors
- calibration memory for each sensor (max 16)
- clock (date and time)
- replaceable accumulators, feeder 12V



Force meter (with socket to force sensor)

Available force range

- | | |
|------------------------------------|--------------------------------|
| 1. FB00 (max 40 measurements/s) | 50, 200, 500N, 1kN, ... , 15kN |
| 2. FC00 (max 1 000 measurements/s) | - II - |

Force sensor

Suggested measurement range

3. Sensor H3-C3/200kg with bearings	1kN (100kg)
4. - II - H3-C3/300kg with bearings	2kN (200kg)
5. - II - H3-C3/750kg with bearings	5kN (500kg)
6. - II - H3-C3/1,5t with bearings	10kN (1t)
7. - II - H3-C3/3t with bearings	20kN (2t)
8. - II - H3G-C3/7,5t with bearings	50kN (5t)
9. Sensor H3-C3/15t with bearings	100kN (10t)
10. Sensor H3-C3/20t with bearings	150kN (15t)
11. Sensor BM24R-C3/250kg	1kN (100kg)
12. - II - BM24R-C3/500kg	2kN (200kg)
13. - II - BM24R-C3/1t	5kN (0,5t)
14. - II - BM24R-C3/2t	10kN (1t)
15. - II - BM24R-C3/5t	20kN (2t)
16. - II - BM24R-C3/10t	50kN (5t)
17. - II - BM24R-C3/13t	100kN (10t)
18. - II - BM24R-C3/28t	200kN (20t)

Attention:

1. We supply also other force sensors according to individual technical agreements.
2. Standard cable length: pos.3-6 3m, pos.7-10 6m, other - on demand



1. Vertical stand STV (with horizontal option)

2. Horizontal stand STH

3. Vertical stand STDV (manual lever)



4. Motorized vertical test stand STAV500/280 (280mm travel)

5. Motorized vertical test stand STAV500/500 (500mm travel)



6. Motorized horizontal test stand STAH



7. Double-hand handle for FB FB-UD

8. Hook for hanging FB-HK



9. Manual grip NJJ-03



10. Hex grip NJJ-08



11. Roller grip NJJ-04 (for tapes)



12. Roller grip NJJ-09 (for tapes, foils)



13. Barrel grip NJJ-21 (for cable connectors)



14. Grip NJJ-102 (for cables)

41 Torque testers (torque measurements)

- "unscrewing a jar" force measurement
- graphs, histogram
- RS232C, USB
- replaceable accumulators, 12V feeder



To measure cap tightening or loosening

1. FSA2	2Nm / 0,001Nm
2. FSA5	5Nm / 0,001Nm
3. FSA10	10Nm / 0,01Nm



General torque measurement

4. FSB2	2Nm / 0,001Nm
5. FSB5	5Nm / 0,001Nm
6. FSB10	10Nm / 0,01Nm



To test/control tension wrenches

7. FSC2	2Nm / 0,001Nm
8. FSC5	5Nm / 0,001Nm
9. FSC10	10Nm / 0,01Nm
10. FSC100	100Nm / 0,1Nm
11. FSC500	500Nm / 1Nm

ACN	ALN	ALN/G	AIN/G	AKA	AKZ	AKA/G	ATA	ATZ(R)	ATS, BTS	AGS	BTA, BD/TA	BD/T	BD/TW	BD/TL	BD/S	BA, 4BA	(4)BA/N/H	BA/TP	ME-01 (M1)	FB, FC	FSA (B,C)
-----	-----	-------	-------	-----	-----	-------	-----	--------	----------	-----	------------	------	-------	-------	------	---------	-----------	-------	------------	--------	-----------

Standard functions

1. Internal calibration (Auto-calibration)
2. External calibration - only non-legalised scales (CALIBR)
3. Database (400 products, tare memory, 100 users)
4. Pieces counting (PCS)
5. Automatic zeroing (AUTOTAR, AUTOZER)
6. Serial ports settings (PORT-1,2)
7. Printout (operator Id, product Id, net weight, ...)
8. Units (UNIT):
 - g (kg), ct, lb
 - g (kg), ct, oz, ozt, gr, dwt
9. Percentage measurement (PROCENT)
10. Recipe making (RECIPE)
11. Tare memory:
 - 10 tare
 - 400 tare values assigned to products (database)
12. Measurement speed (SPEED)
13. Animals weighing (LOC, ANIMAL)
14. Max value indication (UP, MAX/MIN)
15. Measurement in force units (NEWTON, F)
16. Menu language selection (LANGUAGE)
17. Weighing series summing + average value (TOTAL)
18. Comparing with threshold values (THR)
19. Label number selection (LABEL)
20. Scale resolution change (RESOLUT)
21. Density measurement (DENSITY, HYDRO) - no hook
22. Statistics: average, standard devat., diagram (STAT)
23. Paper grammage (PAPER)
24. Goods packaging function (TP)

0	0	0	0	0	0	0																
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
											0	0	0	0	0	0	0		0			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
												0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0			0	0										
0	0	0	0	0	0	0	0	0	0	0												
											0	0	0	0	0	0	0		0			
0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0		0			
0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0		0	0	0	0
0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0		0	0	0	0
		0							0	0											0	0
0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0		0			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0
		0									0											
0	0	0	0	0	0	0	0	0			0											
0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0		0			
		0	0	+	+	0	0	0			0	0	0	0	0	0	0		0			
		0																	0			

Functions available with hardware options

25. Setting date and time (DATE & CLOCK)
26. MIN/OK/MAX signaling or dosing (OUT& THR)
- 27., ALIBI memory (up to 100 000 measurements)

0	+	0	0	+	+	0	+	+			+	+	+	+	+	+	+	+	0	+	0	0	
		+	+								+	+	+	+	+	+	+	+	+	+			
+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+	+	+	+			

Signs explanation:

- 0 - position supplied in standard (no surcharge)
- +



1. F2 class weight 50g
2. F2 class weight 100g
3. F2 class weight 200g
4. F2 class weight 500g
5. F2 class weight 1kg
6. F2 class weight 2kg
7. F2 class weight 5kg
8. F1 class weight 50g
9. F1 class weight 100g
10. F1 class weight 200g
11. E2 class weight 50g
12. E2 class weight 100g
13. E2 class weight 200g

45 Legalization (verification)

1. European verification I class balances
2. European verification II and III class (according to weighing range) :
 - 0 ÷ 6kg
 - 10 ÷ 60kg
 - 100 ÷ 300kg
 - 400 ÷ 1000kg
 - 1,5 ÷ 3,5t
 - 6 ÷ 10t
3. AXIS metrological test protocol (certificate)

Scales that meet the requirements for legalization are marked
in this catalog with **M** sign.

The scales can be verified (legalized) at the AXIS headquarter before shipping (surcharge).

Many scale types without EU verification may be produced
with more precise readout.



CONTACT WITH US IF YOU NEED ANY MORE INFORMATION:

We are Ireland Ireland Distributor of AXIS (POLAND)

AS Instrument & Automation Limited ,

Address: 2 Corn mills, Massytown,

Macroom, Co-Cork, Ireland.

Phone- [+353851553244](tel:+353851553244)

Sales Email-assalesirl@gmail.com.

Email - info@asinstruments.net

Web - <https://asinstruments.net/>