

Cole-Parmer® Symmetry® PT Toploading Balances

Large weighing surface allows placement of a variety of samples

- Weighing modes include parts counting, percent weighing, checkweighing, animal/dynamic weighing and density determination
- USB and RS-232 interfaces offer connection to a computer or printer for GLP/GMP-compliant outputs
- Sealed keypad, splashproof design, and removable stainless steel weighing pan
- An oversized backlit LCD provides clear visibility of weighing results
- Digital filters compensate for vibration, drafts or temperature changes
- Fast stabilisation and response time

Symmetry®

What's included: AC power adapter. The 210-g and 410-g models also include a draft shield.



Specifications

Calibration: Internal or external with calibration mass

Weighing units: g, ct, oz, dwt, mg, grains, ozt, custom

Power: 115/220 VAC power adapter and built-in rechargeable battery pack (battery function not available on models 10001-06, -07, -13)

Capacity	Readability	Repeatability	Linearity	Pan size	Catalogue number
Internal calibration					
210 g	0.001 g	±0.002 g	±0.002 g	13 x 13 cm	MY-10001-10
410 g	0.001 g	±0.002 g	±0.002 g		MY-10001-11
2200 g	0.01 g	±0.02 g	±0.02 g	19 x 16 cm	MY-10001-12
4200 g	0.01 g	±0.02 g	±0.02 g		MY-10001-13
External calibration					
210 g	0.001 g	±0.002 g	±0.002 g	13 x 13 cm	MY-10001-02
410 g	0.001 g	±0.002 g	±0.002 g		MY-10001-03
2200 g	0.01 g	±0.02 g	±0.02 g	19 x 16 cm	MY-10001-04
4200 g	0.01 g	±0.02 g	±0.02 g		MY-10001-05
5000 g	0.1 g	±0.2 g	±0.4 g		MY-10001-06
15000 g	0.1 g	±0.2 g	±0.4 g		MY-10001-07

Accessories

MY-11120-78 Compact thermal printer
 MY-10000-47 Kensington™ type security lock and cable
 MY-17101-52 ILAC MRA, NIST-traceable calibration with data for balances

Cole-Parmer® Symmetry® PA Analytical Balances

Affordable, advanced, accurate—for small samples

- Three-door glass draft shield provides easy access inside the weighing chamber
- Oversized backlit LCD provides clear visibility of weighing results
- Sealed keypad, splashproof design, and removable stainless steel weighing pan offer safeguards in a messy lab environment
- Weighing modes include parts counting, percent weighing and checkweighing
- USB and RS-232 interfaces offer connection to a computer or printer for GLP/GMP-compliant output
- Digital filters compensate for vibration, drafts or temperature changes
- Selectable multi-language display and output
- Fast stabilisation and response time

Symmetry®

What's included: AC power adapter and draft shield.



Specifications

Calibration: Internal or external with calibration mass

Weighing units: g, ct, oz, dwt, mg, grains, ozt, custom

Power: 115/220 VAC power adapter

Capacity	Readability	Repeatability	Linearity	Pan size	Catalogue number
Internal calibration					
120 g	0.0001 g	±0.0002 g	±0.0002 g	9 cm	MY-10001-08
220 g	0.0001 g	±0.0002 g	±0.0002 g		MY-10001-09
External calibration					
120 g	0.0001 g	±0.0002 g	±0.0002 g	9 cm	MY-10001-00
220 g	0.0001 g	±0.0002 g	±0.0002 g		MY-10001-01

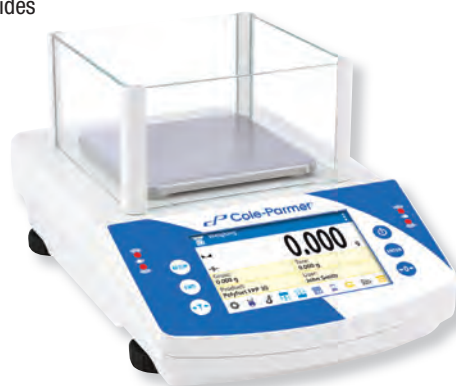
Accessories

MY-11120-78 Compact thermal printer
 MY-10000-47 Kensington™ type security lock and cable
 MY-17101-52 ILAC MRA, NIST-traceable calibration with data for balances

Cole-Parmer® Symmetry® TT Precision Toploading and TA Analytical Touch-Screen Balances

Advanced weighing features at an affordable price

- IR proximity sensors offer touch-free balance control
- Colour capacitive touch-screen display provides clear visibility of weighing results
- Get secure data connections via USB, RS-232, Ethernet, and Wi-Fi interfaces
- Easily adjust filter settings depending on your working environment
- Customise the menu screen to meet your everyday needs
- Use statistics working mode to quickly analyse data from series of measurements
- Multiple working modes handle a variety of weighing functions
- Quickly diagnose weighing errors with autotest GLP function
- Industry-leading 5-year warranty



TT toploading model



TA analytical model

Large colour capacitive touch-screen display features a status bar, weighing result window, editable information fields, and editable tool bar. The area beneath the weight indication display can be customised to meet your personal programming needs.

Two built-in infrared (IR) proximity sensors can be programmed with different functions for each working mode enabling touch-free balance control, while minimising cross-contamination and wear and tear on the buttons.

Working modes include weighing, parts counting, check weighing, dosing, percent weighing, density of solids, density of liquids, animal weighing, statistics, peak hold, and formulations.

Several databases allow you to record products, users, packaging, customers, formulations, formulation reports, ambient conditions, and weighing. Only users with appropriate access can add new records, export data, import data, delete records, and print saved data. Use the simple external connections to a computer or printer for GLP/GMP-compliant output.

Two programmable IR sensors—perform common functions with a swipe of your hand.

Symmetry®



Specifications

Weighing units: g, mg, ct, lb, oz, ozt, dwt, tlb, tlb, tlb, tlb, mom, gr, ti, N, baht, tola, msg, u1, u2

Stability indicator: yes

Output: USB interface (2), RS-232 (2), Ethernet, and Wi-Fi (internal cal only)

Power: universal AC power adapter (included)

With Internal Calibration and Wi-Fi Interface

Capacity	Readability	Repeat-ability	Linearity	Pan size	Catalogue number
TT toploading balances					
360 g	0.001 g	±0.001 g	±0.002 g	12.8 x 12.8 cm	MY-10102-04 [‡]
600 g		±0.0015 g			MY-10102-05
1000 g		±0.0015 g			MY-10102-06
2100 g	0.01 g	±0.01 g	±0.01 g	19.5 x 19.5 cm	MY-10102-07
4500 g		±0.015 g			MY-10102-08
6000 g		±0.015 g			MY-10102-09
10,000 g		±0.03 g			MY-10102-10
TA analytical balances					
82/220 g	0.01/ 0.0001 g	±0.01/ 0.0001 g	±0.0002 g	9 cm	MY-10102-00 [†]
160 g	0.0001 g	±0.0001 g	±0.0002 g	10 cm	MY-10102-01 [†]
220 g					MY-10102-02 [†]
310 g					MY-10102-03 [‡]

[†]Include tall enclosed glass draft shield with three doors.

[‡]Include short draft ring.

With External Calibration

Capacity	Readability	Repeatability	Linearity	Pan size	Catalogue number
TT toploading balances					
360 g	0.001 g	±0.001 g	±0.002 g	12.8 x 12.8 cm	MY-10102-15 [‡]
600 g		±0.0015 g			MY-10102-16 [‡]
1000 g		±0.0015 g			MY-10102-17 [‡]
2100 g	0.01 g	±0.01 g	±0.02 g	19.5 x 19.5 cm	MY-10102-18
4500 g		±0.015 g			MY-10102-19
6000 g		±0.015 g			MY-10102-20
10,000 g		±0.08 g			MY-10102-22
TA analytical balances					
62 g	0.0001 g	±0.0001 g	±0.00006 g	9 cm	MY-10102-11 [†]
160 g			±0.0002 g	10 cm	MY-10102-12 [†]
220 g			MY-10102-13 [†]		
310 g			MY-10102-14 [†]		

[†]Include tall enclosed glass draft shield with three doors.

[‡]Include short draft ring.

Accessories

MY-10100-85 Impact printer

MY-10100-86 Printer paper. Pack of 3

MY-10100-87 Density determination kit for TA series

MY-10100-88 Density determination kit for 12.8 x 12.8 cm weighing pan

MY-10100-90 Lock-down cable, 91.4 x 0.3 cm

MY-10100-91 Protective balance cover

MY-10100-93 Draft shield for 12.8 x 12.8 cm weighing pan

MY-17101-52 ILAC MRA, NIST-traceable calibration with data for balances

Cole-Parmer® Symmetry® LA Analytical Balances

Quality and precision at an affordable price

- Get secure data connections via USB, RS-232, Ethernet, and Wi-Fi interfaces
- Easily adjust filter settings depending on your working environment
- Fast stabilisation and response time
- Quickly diagnose weighing errors with autotest GLP function
- Industry-leading 5-year warranty

Working modes include weighing, parts counting, check weighing, dosing, percent weighing, density of solids, density of liquids, animal weighing, statistics, totalising, and peak hold.

Symmetry®

LA Precision
toploading and
NTEP-approved
models are
available online.



10102-23



Specifications

Weighing units: g, mg, kg, ct, lb, oz, ozt, dwt, tih, tls, tit, tic, mom, gr, N, ti, baht, tola, msg, u1, u2

Stability indicator: yes

Output: RS-232 (2), USB-A, USB-B, Ethernet, and Wi-Fi (internal cal only)

Power: 100/240 VAC, 50/60 Hz

Capacity	Readability	Repeatability	Linearity	Pan size	Internal calibration and Wi-Fi interface	
					Catalogue number	External calibration Catalogue number
62 g	0.0001 g	±0.00003 g	±0.00006 g	9 cm	—	MY-10102-33 [†]
82/220 g	0.00001/0.0001 g	±0.00001 g	±0.0002 g		MY-10102-23 [‡]	—
160 g	0.0001 g	±0.0001 g	±0.0002 g	10 cm	MY-10102-24 [‡]	MY-10102-34 [‡]
220 g					MY-10102-25 [‡]	MY-10102-35 [‡]
310 g					MY-10102-26 [‡]	MY-10102-36 [‡]

[†]Includes short open-air draft shield.

[‡]Includes tall enclosed glass draft shield with three doors.

Cole-Parmer® Symmetry® ISW Washdown Industrial Bench Scales

Lightweight and waterproof

- Rugged 304 stainless steel pan and ABS plastic base—sealed to IP66-rating
- Colour-coded keys provide quick access to weighing units
- Programmable backlit LCD with capacity tracker easily monitors possible overloads
- Check-weighing is quick and easy with built-in colour indicators

Symmetry®



Specifications

Calibration: external, with calibration mass

Weighing units: g, kg, lb, oz, lb:oz

Output: none

Power: 220 VAC, AC power adapter and rechargeable battery (included)

Capacity	Readability	Repeatability	Linearity (±)	Pan size (L x W)	Catalogue number
3 kg	0.5 g	0.5 g	1 g	21 x 17.3 cm	MY-11001-46
6 kg	1 g	1 g	2 g		MY-11001-47
12 kg	2 g	2 g	4 g		MY-11001-48

MY-17101-52 ILAC MRA, NIST-traceable calibration for balances

Cole-Parmer® Symmetry™ PBH High-Capacity Portable Toploading Balances

Easily weigh heavy dynamic loads

- Collect and export data for further analysis with included software
- Connect to printer or PC with RS-232 interface
- Weighing modes include parts counting, percent weighing, totalising, check weighing, peak hold, and animal weighing
- Industry-leading 5-year warranty

NTEP-approved models
are available online.

Symmetry®



What's included: built-in rechargeable lead acid battery and power adapter with plug set.

Specifications

Weighing units: g, ct, lb

Output: RS-232

Power: 100 to 240 VAC, 50/60 Hz or built-in rechargeable battery

Capacity	Readability	Repeatability	Linearity	Platform size	Calibration	Catalogue number
1 kg	0.01 g	±0.03 g	±0.03 g	19.5 x 19.5 cm	External	MY-10402-58
					Internal	MY-10402-63
2 kg	0.01 g	±0.03 g	±0.03 g		External	MY-10402-59
					Internal	MY-10402-64
6 kg	0.1 g	±0.1 g	±0.1 g		External	MY-10402-60
					Internal	MY-10402-65
10 kg	0.1 g	±0.3 g	±0.3 g		External	MY-10402-61
					External	MY-10402-62

Cole-Parmer® Symmetry® EC Toploading Balances

Quality and affordable precision weighing

- Internal rechargeable battery for portability and convenience
- RS-232 interface allows for communication with a printer
- Print function for GLP compliance
- Capacity tracker warns of approaching overloads
- Security lock-down port

Symmetry®

What's included: draft shield, built-in rechargeable battery, and AC power adapter.



Specifications

Calibration: external, with calibration mass

Weighing units: g, lb^t, oz, ct, dr, ozt, gn, N, tl T, tl H, tl S, custom

Power: 230 VAC; AC adapter or internal rechargeable battery

Capacity	Readability	Repeatability	Linearity	Platform size (dia.)	Catalogue number
100 g	0.001 g	±0.002 g	± 0.003 g	12.0 cm	MY-20000-33
200 g	0.01 g	±0.02 g	± 0.02 g	12.0 cm	MY-20000-35
300 g	0.1 g	±0.2 g	±0.2 g	12.0 cm	MY-20000-49
400 g	0.01 g	±0.02 g	± 0.02 g	12.0 cm	MY-20000-37
500 g	0.1 g	±0.2 g	±0.2 g	12.0 cm	MY-20000-52
800 g	0.01 g	±0.02 g	± 0.03 g	12.0 cm	MY-20000-39
1200 g	0.1 g	±0.1 g	± 0.2 g	12.0 cm	MY-20000-41
2000 g	0.1 g	±0.2 g	± 0.2 g	14.5 cm	MY-20000-43
4000 g	0.1 g	±0.2 g	± 0.2 g	14.5 cm	MY-20000-45
6000 g	1 g	±1 g	± 2 g	14.5 cm	MY-20000-47

Tib not available on 100 g models

Accessories

MY-11120-78 Compact thermal printer

MY-10000-47 Kensington™-type security lock and cable

MY-17101-52 ILAC MRA, NIST-traceable calibration with data for balances

OHAUS® Adventurer™ AX Toploading and Analytical Balances

The perfect balance of modern connectivity and advanced applications

- Perform advanced functions: part counting, percent, dynamic, density, check weighing, totalisation, and formulation modes
- Colour touch screen offers easy and fast operation with or without gloves
- GLP/GMP compliance via real-time clock and recording of sample, project names, and balance ID
- Two USB ports (one on the front and one on the back) provide connectivity with both a PC and a portable external device at the same time
- Cloning feature saves settings to USB flash drive for transfer to other Adventurer balances



Capacity	Readability	Repeatability	Linearity	Pan size	Internal calibration	External calibration
					Catalogue number	Catalogue number
Toploading balances						
120 g	0.0001 g	±0.0001 g	±0.0002 g	8.9 cm	MY-11019-00	MY-11019-01
220 g					MY-11019-03	MY-11019-04
320 g					MY-11019-05	—
Analytical balances						
220 g	0.001 g	±0.001 g	±0.002 g	13 cm	MY-11019-06	MY-11019-07
420 g					MY-11019-09	MY-11019-10
520 g					MY-11019-13	MY-11019-14
1520 g					MY-11019-19	MY-11019-20
2200 g	0.01 g	±0.01 g	±0.02 g	17.5 x 19.5 cm	MY-11019-22	MY-11019-23
4200 g					MY-11019-25	MY-11019-26
5200 g					MY-11019-28	MY-11019-30
4200 g					MY-11019-29	—
8200 g	0.1 g	±0.1 g	±0.2 g	—	MY-11019-31	MY-11019-32



Specifications

Calibration: internal or external mass

Weighing units: g, mg, ct, oz, lb, mom, N, dwt, gn, oz t, m, tl, t, tical, baht, custom

Power: 100 to 240 VAC, 50/60 Hz

Accessories

MY-11610-68 Impact printer

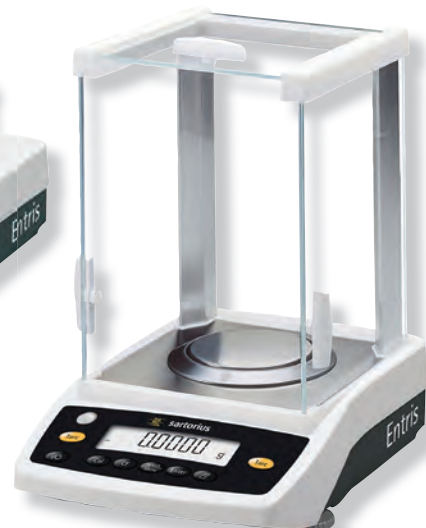
MY-11800-15 Density determination kit

MY-17101-52 ILAC MRA, NIST-traceable calibration with data for balances

Sartorius Entris® Toploading and Analytical Balances

Go beyond basic—get affordability, reliability, and quality

- Backlit high-contrast display delivers excellent viewability in any lighting condition
- Below balance, counting, percent, animal weighing, and density determination functions
- Document critical weights in GLP mode via RS-232 communication with PC or printer
- Functional in 7 languages



Specifications

Calibration: external, with calibration mass

Output: RS-232

Weighing units: g, kg, ct, lb, oz, oz t, t, tael, grains, mg, parts/lb, mommes, Austrian carat, tola, baht, mesghal, tons, lb:oz, N

Power: 100 to 240 VAC (universal); optional rechargeable battery

Capacity	Readability	Repeatability	Linearity	Pan size	Catalogue number
Toploading balances					
150 g	0.001 g	±0.001 g	±0.002 g	11.5 cm	MY-11955-23
320 g					MY-11955-24
620 g					MY-11955-26
820 g	0.01 g	±0.01 g	±0.03 g	15 cm	MY-11955-27
2200 g					MY-11955-28
4200 g					MY-11955-31
5200 g	0.1 g	±0.1 g	±0.3 g	18 x 18 cm	MY-11955-34
Analytical balances					
60 g	0.1 mg	±0.1 mg	±0.2 mg	8.9 cm	MY-11955-19
120 g					MY-11955-21
220 g					MY-11955-22

Accessories

- MY-11800-65 Standard compact printer
- MY-11800-75 Optional external rechargeable battery kit
- MY-11800-98 Density weighing kit
- MY-11800-97 USB to RS-232 cable
- MY-11200-50 Kensington™-type security lock and cable
- MY-17101-52 ILAC MRA, NIST-traceable calibration with data for balances

Sartorius Practum® Toploading and Analytical Balances

Start weighing right—ideal for standard applications

- Touch-screen with intuitive graphical interface walks you through standard applications
- Peak Hold function locks in highest reading
- USB interface port enables communication with a PC or printer, allowing automatic data transfer to Excel
- Supervisor lock to prevent unintentional menu changes
- Built-in overload protection



Specifications

Calibration: external, with calibration mass

Output: mini-USB interface

Weighing units: g, kg, ct, lb, oz, oz t, t, tael, grains, mg, parts/lb, mommes, Austrian carat, tola, baht, mesghal, tons, lb:oz, N

Power: 100 to 240 VAC (universal); optional rechargeable battery

Capacity	Readability	Repeatability	Linearity	Pan size	Catalogue number
Toploading balances					
210 g	0.001 g	±0.001 g	±0.002 g	11.4 cm	MY-11800-91
310 g					MY-11800-90
510 g					MY-11955-13
610 g	0.01 g	±0.01 g	±0.02 g	17.8 cm	MY-11800-94
2100 g					MY-11800-92
3100 g					MY-11955-15
5100 g	0.1 g	±0.1 g	±0.2 g	17.8 cm	MY-11800-95
6100 g	0.1 g	±0.1 g	±0.3 g		MY-11955-17
Analytical balances					
120 g	0.1 mg	±0.1 mg	±0.2 mg	8 cm	MY-11800-89
220 g					MY-11800-88

Accessories

- MY-11800-65 Standard compact printer
- MY-11800-75 External rechargeable battery kit
- MY-11800-98 Density weighing kit
- MY-11800-97 USB to RS-232 cable
- MY-17101-52 ILAC MRA, NIST-traceable calibration with data for balances

Disposable Aluminum Weigh Dishes

No more washing sample containers

Choose from crimped-walled with side finger tab handle, smooth-walled weighing dishes, or slightly tapered dishes for moisture determination. All styles offer smooth bottom and may be used in a wide variety of applications.



Weigh capacity	Dimensions (dia x D)	Qty/pk	Catalogue number	Qty/pk	Catalogue number
Crimped-walled dishes with tab					
8 mL	29 x 10 mm	—	—	500	MY-01018-26
20 mL	51 x 13 mm	100	MY-01018-51	1000	MY-01017-51
60 mL	64 x 15 mm	100	MY-01018-50	1000	MY-01017-50
80 mL	76 x 15 mm	100	MY-01018-52	1000	MY-01017-52
Smooth-walled dishes					
80 mL	73 x 17 mm	100	MY-01018-28	1000	MY-01018-29
150 mL	102 x 19 mm	100	MY-01018-32	1000	MY-01018-31
Slightly tapered dishes for moisture determination					
1.2 gr	70 x 6 mm	50	MY-01018-19	500	MY-01018-20
2.5 gr	102 x 8 mm	50	MY-01018-23	500	MY-01018-24
3.3 gr	127 x 5 mm	100	MY-01018-21	1000	MY-01018-22

Cole-Parmer® Balance Draft Shield

Clear acrylic prevents drafts from affecting weighings

- Minimises air movement around your balance for faster, more stable readings
- No assembly required
- Mouse hole in back panel for power cords
- Raised edges on top of enclosure allow secure placement of frequently used weighing accessories



Cole-Parmer®

Shield 01019-02
(balance not included)

Size	Dimensions (W x H x D)	Catalogue number
Small	33.0 x 34.3 x 37.5 cm	MY-01019-02
Medium	38.1 x 39.4 x 42.5 cm	MY-01019-04
Large	45.7 x 47.0 x 50.2 cm	MY-01019-06

Troemner Cal-Paks™ Calibration Mass Sets

Handy for daily verifications

- USB flash drive with electronic NVLAP Certificate
- Use with all balance manufacturers' makes and models
- Weights 1-g through 1-kg are made of #8 alloy stainless steel



Three high-quality precision mass standards with the lowest measurement uncertainties possible enable you to meet all of your regulatory and audit needs. Cal-Pak components and master carrying case are linked through the use of a unique serial number.

What's included: rugged master case with each individual weight in its own polycarbonate case, and accessories needed for proper handling and care of weights.

Masses	Catalogue number
ASTM Class 1 mass sets with NVLAP certificate	
20 g, 2 g, 20 mg	MY-11967-34
20 g, 2 g, 200 mg	MY-11967-35
50 g, 5 g, 2 g	MY-11967-05
50 g, 5 g, 200 mg	MY-11967-07
100 g, 10 g, 2 g	MY-11967-02
100 g, 10 g, 200 mg	MY-11967-01
100 g, 10 g, 20 mg	MY-11967-11
200 g, 20 g, 2 g	MY-11967-09
200 g, 20 g, 200 mg	MY-11967-06
500 g, 50 g, 2 g	MY-11967-10
500 g, 50 g, 200 mg	MY-11967-15
500 g, 50 g, 20 mg	MY-11967-18
1 kg, 100 g, 20 g	MY-11967-03
1 kg, 100 g, 2 g	MY-11967-12
2 kg, 200 g, 20 g	MY-11967-04
2 kg, 200 g, 2 g	MY-11967-08
5 kg, 200 g, 2 g	MY-11967-38
5 kg grip handle, 200 g, 2 g	MY-11967-39
5 kg, 200 g, 20 g	MY-11967-40
5 kg grip handle, 200g, 20g	MY-11967-41
5 kg, 500 g, 20 g	MY-11967-13
5 kg, 500 g, 2 g	MY-11967-16
5 kg grip handle, 500 g, 2 g	MY-11967-36
5 kg grip handle, 500 g, 20 g	MY-11967-37
ASTM Class 0 mass sets with NVLAP certificate	
2 g, 200 mg, 1 mg	MY-11967-14
5 g, 500 mg, 1 mg	MY-11967-17

Square Weigh Boats

Minimise sample loss

- Flexible, antistatic polystyrene material
- Rounded corners simplify transfer of powdered or granular samples



Size	Weigh capacity	White	Blue
		Catalogue number	Catalogue number
Small, 4.13 x 0.79	20 mL	MY-01017-05	MY-01017-07
Medium, 8.89 x 2.54	100 mL	MY-01017-15	MY-01017-17
Large, 13.97 x 2.22	330 mL	MY-01017-25	MY-01017-27