



Analytical and Toploading Balances



Precision Bench and Floor Scales



Introduction

Acculab offers a broad spectrum of electronic weighing instruments for virtually all applications, from laboratory analysis to the highest capacity scales for use in industry, trade and commerce.

Whether it's a precision balance used in teaching, a portable balance for sample analysis in environmental sciences, or a counting scale for incoming inspection, every Acculab instrument is tailored to its area of use.

Acculab began marketing weighing instruments in 1986, and by 1989 was already manufacturing its own products. Within just a few years, Acculab had become one of the leading suppliers of weighing instruments in the US.

Since 1997 Acculab has been a member of the Sartorius Group, one of the largest international players in the field of mechatronics. Acculab draws on the expertise, the supplier network and, most importantly, on the pioneering technology of Sartorius. The new Acculab product portfolio is designed under the direction of the Sartorius Group and is manufactured in the US, Germany and China.

Acculab products are sold worldwide through dedicated authorized dealers. This ensures local support and responsive service, even for products that have been in use for many years.

Beginning in 2005 Acculab offers a complete new line of products. From the ALC Series of laboratory balances for professionals to the all-new POCKET-PRO portable balances, Acculab presents high-performance instruments in every product category. Acculab addresses the needs of the customer and develops product features that are as practical as they are unique. One of the featured design examples are the world's first stackable electronic weighing instruments for convenient storage and transport.

Acculab's commitment is to offer more than you would expect to get in this price range, from practical features and easy operation to high-performance technology and fast product delivery. The difference is decisive.

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Stack of VICON balances



Model with readability of 1 mg



Weighing with milligram precision



Closed flip-up cover



Below-balance density determination



Model with readability of 0.1 g

The balances in the VICON series from Acculab are distinguished by their excellent value for money. The VICON series offers resolutions up to 1 milligram and weighing capacities up to 10 kg, making it ideal for use in laboratories, education, training and in industry, as well as for special applications in many areas. All models have a flip-down protective for safe transportation and can be easily stacked without slipping

Whether you want to weigh multiple samples with totaled results, count parts or weigh under pan. Acculab has the answer in VICON. And if you want to add a data interface at a later point, you can do it yourself quickly and easily.

VICON Series

Unique, standard balances for mobile and stationary use

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Counting application program



Calibration weights in drawer



Adapters: RS-232 and USB data interfaces

Performance features:

- Large amber backlit liquid-crystal display for optimum readability in all ambient conditions
- Intuitive operation with single use tactile keys
- Removable flip-up cover for safe transportation and stockable storage
- Stackable design saves storage
- 5 application programs
- Optional and user installable USB or RS-232 interface kits

Product description:

- Rugged housing made of ABS plastic with maximum overload protection
- Reversible stainless steel weighing pans
- Applications include: Counting with variable reference sample, weighing in percent, display hold, totaling, specific gravity with under-pan weighing
- 14 mass units conversions to choose from with selectable factor
- External calibration with 3 weight values
- Many models with integrated external weights
- Lock-down capability
- Stainless steel weighing pans
- 9-volt battery operation (excluding milligram models)
- Glass ring, leveling bubble and adjustable feet included on all milligram models

Precision balances of the VICON series

Model No.	Capacity	Readability	Linearity	Repeatability	Pan Size	Calibration Weight	Shipping Weight
VIC-123*	120 g	1 mg	≤± 0.003 g	≤± 0.001 g	Ø 97 mm / 3.8"	100 g**	2.3 kg / 5.0 lbs
VIC-2mg*	210 g	5 mg	≤± 0.01 g	≤± 0.01 g	Ø 97 mm / 3.8"	200 g**	2.3 kg / 5.0 lbs
VIC-303*	300 g	1 mg	≤± 0.004 g	≤± 0.001 g	Ø 97 mm / 3.8"	200 g**	2.4 kg / 5.3 lbs
VIC-4mg*	410 g	5 mg	≤± 0.01 g	≤± 0.01 g	Ø 97 mm / 3.8"	200 g**	2.4 kg / 5.3 lbs
VIC-212	210 g	0.01 g	≤± 0.035 g	≤± 0.01 g	142×130 mm / 5.6×5.1"	200 g**	2.3 kg / 5.0 lbs
VIC-412	410 g	0.01 g	≤± 0.03 g	≤± 0.01 g	142×130 mm / 5.6×5.1"	200 g**	2.4 kg / 5.3 lbs
VIC-612	610 g	0.01 g	≤± 0.03 g	≤± 0.01 g	142×130 mm / 5.6×5.1"	200 g**	2.4 kg / 5.3 lbs
VIC-511	510 g	0.1 g	≤± 0.2 g	≤± 0.1 g	142×130 mm / 5.6×5.1"	100 g	2.2 kg / 4.8 lbs
VIC-711	710 g	0.1 g	≤± 0.2 g	≤± 0.1 g	142×130 mm / 5.6×5.1"	200 g	2.2 kg / 4.8 lbs
VIC-1501	1,500 g	0.1 g	≤± 0.2 g	≤± 0.1 g	142×130 mm / 5.6×5.1"	1 kg	2.2 kg / 4.8 lbs
VIC-3101	3,100 g	0.1 g	≤± 0.2 g	≤± 0.1 g	142×130 mm / 5.6×5.1"	2 kg	2.2 kg / 4.8 lbs
VIC-5101	5,100 g	0.1 g	≤± 0.2 g	≤± 0.1 g	142×130 mm / 5.6×5.1"	5 kg	2.2 kg / 4.8 lbs
VIC-4kg	4,100 g	1 g	≤± 1 g	≤± 1 g	142×130 mm / 5.6×5.1"	2 kg	2.2 kg / 4.8 lbs
VIC-6kg	6,100 g	1 g	≤± 2 g	≤± 1 g	142×130 mm / 5.6×5.1"	5 kg	2.2 kg / 4.8 lbs
VIC-10kg	10,100 g	1 g	≤± 2 g	≤± 1 g	142×130 mm / 5.6×5.1"	5 kg	2.2 kg / 4.8 lbs

* Round glass draft shield included

** Calibration weights included

Commonly Used Accessories

Model No.	Description
YADAP-RS	Adapter with cable for RS-232 9 pin comport
YADAP-USB	Adapter with cable for USB comport
LC-1	Lock-down cable and Padlock

ECON Series

Economical and portable

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The ECON series offers more than just precise weighing results "on the move". Thanks to their combination of compact, rugged housing, microprocessor control and high-performance weighing system, the precision balances in the ECON series give unbeatable value for money. With up to 4,000 scale intervals, ECON is the most economical series in its class.

The compact design is both rugged and practical – perfect for every day use. Its exclusive stackable housing makes it easy and convenient to safely store the product in large numbers, for example in schoolroom applications.

Performance features:

- Rugged ABS housing with liquid-crystal display
- Stackable design for safe storage saves space
- Flexible operation with 9-volt battery or optional AC adapter
- Selectable weight units
- Lightweight and portable
- Lock-down capability

Product description:

- Simple 3-key operation with external calibration
- 9-volt battery included
- 5 weight units: g, lb, oz, dwt, ozt
- Low battery, overload and underload indicators with auto shutoff



Model with readability of 0.1g



Lock-down capability



Stack of ECON balances

Precision balances in the ECON series

Model No.	Capacity	Readability	Pan Size	Calibration Weight	Shipping Weight
EC-211	210 g	0.1 g	135×140 mm / 5.3×5.5"	200 g	0.7 kg / 1.5 lbs
EC-411	410 g	0.1 g	135×140 mm / 5.3×5.5"	200 g	0.7 kg / 1.5 lbs
EC-2100	2,100 g	1 g	135×140 mm / 5.3×5.5"	2 kg	0.7 kg / 1.5 lbs
EC-4100	4,100 g	1 g	135×140 mm / 5.3×5.5"	2 kg	0.7 kg / 1.5 lbs

9 V Alkaline battery included, calibration weights are not included

Commonly Used Accessories

Model No.	Description
6971951	Adapter, 220 V European 2-pin CE
6971952	Adapter, 220 V UK 3-pin CE
LC-1	Lock-down cable and padlock

ALC Series

12 top-of-the-line models for high-precision analytical measurement

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Model with readability of 0.1 mg

The ALC series from Acculab offers excellent performance for even the most demanding users, and meets all the requirements for efficient workflow in today's laboratory applications.

All ALC models are made with state-of-the-art technology to provide accuracy, repeatability and outstanding features at a remarkably affordable price. ALC balances are distinguished by attractive design, compact housing and user-friendly operation. Whether it's weighing precious metals, counting parts, or measuring chemicals and liquids Acculab ALC series is the right choice.



Model with readability of 0.1 g

Performance features:

- Digital filtering that helps minimize ambient conditions
- Fast response times and stable weighing results
- Four built-in application programs
- Easy operation
- Connectivity for printer and computer

Product description:

- ABS rugged, durable housing with liquid-crystal display
- 20 mass units to choose from
- Applications include: counting, weighing in percent, averaging and net/total formulation
- Lock-down capability
- Serial RS-232 bidirectional data interface
- Stainless steel weighing pans
- "One button" external calibration
- Glass chamber for all 0.1 mg models with 3-way accessibility
- Leveling bubble and adjustable feet on all models



RS-232 interface port

Analytical and precision balances in the ALC series

Model No.	Capacity	Readability	Linearity	Repeatability	Pan Size	Calibration Weight**	Shipping Weight
ALC-80.4	80 g	0.1 mg	≤± 0.2 g	≤± 0.1 mg	Ø 80 mm / 3.15"	50 g	4.9 kg / 10.8 lbs
ALC-110.4	110 g	0.1 mg	≤± 0.2 g	≤± 0.1 mg	Ø 80 mm / 3.15"	100 g	4.9 kg / 10.8 lbs
ALC-210.4	210 g	0.1 mg	≤± 0.2 g	≤± 0.1 mg	Ø 80 mm / 3.15"	200 g	5.2 kg / 11.4 lbs
ALC-150.3*	150 g	1 mg	≤± 0.003 g	≤± 0.015 mg	Ø 100 mm / 3.95"	100 g	2.8 kg / 6.2 lbs
ALC-320.3*	320 g	1 mg	≤± 0.002 g	≤± 0.001 mg	Ø 100 mm / 3.95"	200 g	3.3 kg / 7.3 lbs
ALC-810.2	810 g	0.01 g	≤± 0.02 g	≤± 0.01 g	Ø 116 mm / 4.6"	500 g	2.4 kg / 5.3 lbs
ALC-1100.2	1,100 g	0.01 g	≤± 0.03 g	≤± 0.015 g	Ø 150 mm / 5.9"	1 kg	2.4 kg / 5.3 lbs
ALC-2100.2	2,100 g	0.01 g	≤± 0.02 g	≤± 0.01 g	Ø 150 mm / 5.9"	2 kg	2.9 kg / 6.4 lbs
ALC-3100.2	3,100 g	0.01 g	≤± 0.02 g	≤± 0.01 g	Ø 150 mm / 5.9"	2 kg	2.9 kg / 6.4 lbs
ALC-2100.1	2,100 g	0.1 g	≤± 0.2 g	≤± 0.1 g	Ø 150 mm / 5.9"	2 kg	2.4 kg / 5.3 lbs
ALC-4100.1	4,100 g	0.1 g	≤± 0.2 g	≤± 0.1 g	Ø 150 mm / 5.9"	2 kg	2.4 kg / 5.3 lbs
ALC-6100.1	6,100 g	0.1 g	≤± 0.2 g	≤± 0.1 g	Ø 150 mm / 5.9"	5 kg	2.4 kg / 5.3 lbs

* Round glass draft shield included

** Recommended calibration weight (not included)



Model with readability of 1 mg

Commonly Used Accessory

Model No.	Description
LC-1	Lock-down cable and padlock



Model with capacity of 100 kg



Flexible, remote, backlit display



RS-232 data interface

SVI models are ideal for use in industry and shipping. With weighing capacities of up to 200 kg and two platform sizes, this series leaves nothing to be desired. All models come with a remote display, making it easy to install the scale wherever it is needed. The display is adjustable and has a backlit readout for optimum readability. The RS-232 data interface is a standard feature and provides connectivity for a printer and a PC.

SVI Series

Extra low-profile bench and floor scale with unique, flexible display indicator

Performance features:

- Large blue backlit liquid-crystal display for wall mounting or table-top use
- Removable stainless steel low profile, weighing platform available in two sizes
- Industrial design with more than 200% overload protection
- Two application programs
- External calibration with three selectable weight values

Product description:

- Remote backlit display in ABS housing, with wall-mounting bracket and 3 m spiral cable
- Applications include: Counting, totaling
- Selectable weight units: kg, lbs, ozt (up to 20 kg capacity, also g)
- All models suitable for battery operation
- Optional 9-volt battery operation with auto-shutoff
- External calibration with three selectable weight values
- Standard bidirectional RS-232



Model with capacity of 20 kg
Application shipping



Model with capacity of 20 kg
Application counting

Bench platform scales of the SVI series

Model No.	Capacity	Read-ability	Linearity	Platform Size	Calibration Weight	Shipping Weight
SVI-10A	10 kg	1 g	3 g	308×308 mm / 12.4×12.4"	10 kg	6.4 kg / 14.0 lbs
SVI-20B	20 kg	2 g	6 g	308×308 mm / 12.4×12.4"	20 kg	6.4 kg / 14.0 lbs
SVI-50C	50 kg	5 g	15 g	308×308 mm / 12.4×12.4"	20 kg	6.4 kg / 14.0 lbs
SVI-100E	100 kg	20 g	60 g	403×520 mm / 15.9×20.5"	50 kg	19.2 kg / 42.2 lbs
SVI-200F	200 kg	50 g	150 g	403×520 mm / 15.9×20.5"	50 kg	19.2 kg / 42.2 lbs

Recommended calibration weights not included

POCKET-PRO Series

Small, space-saving balances with “big” performance and attractive design

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The POCKET-PRO series has been developed for portability, making these balances perfect for use in motion and on the road – especially when little space is available for complex equipment. POCKET-PRO equipment features 0.1 g and 0.01 g readability, ideal for sample preparation, test kits and special applications. All models have a rugged housing made of ABS plastic and a handy slide closure mechanism that locks the weighing pan during transport and protects the backlit display.

Performance features:

- Rugged ABS housing with blue backlit liquid-crystal display
- Locking mechanism for effective protection during transport
- Selectable weight units
- External calibration
- Economical operation with 1.5 volt “AA” standard battery included

Product description:

- Weight units: grams and ounces; model PP-62 also has carats and grains
- Automatic energy-saving mode
- Audio tone, overload, underload and low battery indicators
- Simple 3-key operation
- Weighing tray, battery and calibration weight included



Model with readability of 0.1 g



Backlit display



Calibration weight included



Weighing pan for powdery samples

Portable balances of the POCKET-PRO series

Model No.	Capacity	Readability	Pan Size	Calibration Weight	Shipping Weight
PP-62	65 g	0.01 g	90×75 mm / 3.5×3.0"	50 g	0.2 kg / 0.48 lbs
PP-201	200 g	0.1 g	90×75 mm / 3.5×3.0"	100 g	0.3 kg / 0.58 lbs
PP-401	400 g	0.1 g	90×75 mm / 3.5×3.0"	200 g	0.3 kg / 0.58 lbs

1,5 V AAA-battery and calibration weight included

Commonly used Weights

Balance Model No.	Weight	Class	Weight Model No.	Weight Units
ALC-80.4	100g	E2	YCW4528-00	1
ALC-110.4	100 g	E2	YCW4528-00	1
ALC-210.4	200 g	E2	YCW5228-00	1
ALC-150.3*	100 g	F1	YCW5128-00	1
ALC-320.3*	200 g	F1	YCW5238-00	1
ALC-810.2	1kg	F1	YCW5538-00	1
ALC-1100.2	1 kg	F1	YCW6138-00	1
ALC-2100.2	2 kg	F1	YCW6238-00	1
ALC-3100.2	2 kg	F1	YCW6238-00	1
ALC-2100.1	1 kg	F2	YCW6148-00	1
ALC-4100.1	2 kg	F2	YCW6248-00	1
ALC-6100.1	5 kg	F2	YCW6548-00	1
VIC-123*	100 g	F1	69V0006	1
VIC-2mg*	200 g	F1	69V0006	2
VIC-303*	200 g	F1	69V0006	2
VIC-4mg*	200 g	F1	69V0006	2
VIC-212*	200 g	F1	69V0006	2
VIC-412*	200 g	F1	69V0006	2
VIC-612*	200 g	F1	69V0006	2
VIC-511	200 g	F1	69V0006	2
VIC-711	200 g	F1	69V0006	2
VIC-1501	1 kg	M1	YCW615-00	1
VIC-3101	2 kg	F2	YCW6248-00	1
VIC-5101	5 kg	F2	YCW6548-00	1
VIC-4kg	2 kg	M2	YCW626-00	1
VIC-6kg	5 kg	M2	YCW656-00	1
VIC-10kg	5 kg	M1	YCW655-00	1

Balance Model No.	Weight	Class	Weight Model No.	Weight Units
EC-211	100 g	F1	YCW5138-00	1
EC-411	200 g	F1	YCW5238-00	1
EC-2100	1 kg	M2	YCW626-00	1
EC-4100	1 kg	M2	YCW616-00	1
SVI-10A	10 kg	M2	YCW7169-00	1
SVI-20B	20 kg	M2	YCW7269-00	1
SVI-50C	20 kg	M2	YCW7569-00	1
SVI-100E	50 kg	M2	YCW7569-00	1
SVI-200F	50 kg	M2	YCW7569-00	1
PP-62*	50 g	M2	Available on request	1
PP-201*	100 g	M2	Available on request	1
PP-401*	100 g	M2	Available on request	1

* weight included

Commonly used Adapters

	EU Adapter 220V 2-Pin CE	UK Adapter 220V 3-Pin CE
ALC Series*	6971951	6971952
VICON Series*	6971951	6971952
ECON Series	6971951	6971952
SVI Series*	6971951	6971952
POCKET-PRO Series	-	-

* Adapter included



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