



Analytical and Toploading Balances



Precision Bench and Floor Scales



Introduction and Overview

Acculab offers a broad spectrum of electronic weighing equipment for virtually all applications. Since 1986, we have been dedicated to making balances and scales more affordable for Laboratory, Research, Educational, Industrial and Specialty markets.

Beginning in 2005, Acculab is pleased to offer a complete new line of products, highlighted by the VICON series. Nearly three years of research, development and design has generated the most unique, cost-effective, high performance products ever presented. One of its featured design elements is the world's first "stackable" scale for convenient safe storage and transport.

Acculab began selling weighing equipment in 1986, and by 1989 was manufacturing its own products. Within a few short years, Acculab became one of the leading suppliers in multiple markets of affordable balances and scales within the United States.

Since 1997, Acculab has been a member of the Sartorius Group, one the largest international manufacturers of precision balances and scales. Acculab draws on the expertise, supplier network and most importantly pioneering technology of Sartorius. Our new product portfolio is designed and engineered under the direction of the Sartorius Group and manufactured in the US, Germany and China.

Whether it's a precision balance used in teaching, a portable scale for sample analysis in environmental sciences, or a counting scale for incoming inspection, every Acculab product is simple to use and designed to last.

With our commitment to customer satisfaction we offer our new theme "Weigh the Difference." Compare our new products on price and performance and you will agree Acculab is the right choice for your next balance or scale purchase.

Acculab products are sold world-wide through dedicated authorized dealers. This ensures local support and responsive service.

To locate an authorized dealer or Acculab service center in the US please call **800-656-4400**.

A dealer locator feature is also available on our website at **www.Acculab.com**. Questions may be emailed to us at **Acculabscales@Acculab.com**

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VICON Exclusive: Stackability



Milligram series with draft ring



Large backlit display



Protective flip down cover



Under pan weighing



The new VICON series are ideal balances and scales for Educational, Industrial, Laboratories, Research, Postal, Special Applications and more. Whether weighing multiple samples with totaled results, formulating a color, counting, percent weighing, specific gravity, or under pan weighing, Acculab has the answer in VICON. The new models feature a flip-down protective cover for safe transportation and stackability, integrated cal-weights, stainless steel pan and large back-lit display.

Acculab continues to set the standard in price, performance and features. The VICON series consists of 15 models highlighted by four milligram balances. Uniquely designed, rugged and portable, these new models cover a range from 120 grams to 10 kg with exceptional accuracy.

Superior engineering for better performance and durability

- Ultra-fast microprocessor for enhanced performance and exceptional stability
- All VICON series sensors are robotically manufactured for uniformity and greater durability. Each sensor is computer optimized for maximum performance, providing higher output and unmatched repeatability
- Incomparable overload protection for years of service in all weighing applications
- Amber back-lit display for easy viewing in all ambient conditions

VICON Series

Exceeding Expectations



Counting program



Integrated calibration weights



Optional RS or USB interface kit

Unique state-of-the-art features not found in any other scale

- Stackability for convenient safe storage and saves valuable counter space
- Integrated weight chamber, simplifies calibration
- Reverseable weighing pan allows greater flexibility in weighing samples

Product Features and Highlights:

- 15 models (enhanced by four milligram units)
- Protective flip-down and removable plastic cover for shipping protection and allows stackable storage
- Integrated external calibration weights on models 710 gram capacity and below
- Unique durable design for all applications

- Applications include: Counting, Percent Weighing, Totaling, Display Hold, Specific Gravity, Mass unit conversion
- 14 Mass unit conversions (g, oz, lbs, lbs:oz, dwt, ozt, grains, Newton, carats, Taels HK/Taiwan/Singapore/China, user defined)
- Optional RS-232 or USB interface kit (field installable)
- Parts counting with selectable reference sample (1 - 100)
- Included AC adapter (or optional 9 volt battery operation excluding milligram models)
- External "one button" calibration with 3 weight options
- Lock-down capability

Precision balances of the VICON series

Model No.	Capacity	Readability	Repeatability	Pan Size	Calibration Weight	Shipping Weight
VIC-123*	120 g	0.001g	≤± 0.003 g	3.8" dia. / 97 mm	20g, 50g, **100g	5.0 lbs / 2.3 kg
VIC-303*	300 g	0.001g	≤± 0.003 g	3.8" dia. / 97 mm	50g, 100g, **200g	5.0 lbs / 2.3 kg
VIC-2mg*	200 g	0.005g	≤± 0.01 g	3.8" dia. / 97 mm	50g, 100g, **200g	5.0 lbs / 2.4 kg
VIC-4mg*	400 g	0.005g	≤± 0.01 g	3.8" dia. / 97 mm	50g, 100g, **200g	5.0 lbs / 2.4 kg
VIC-212	210 g	0.01 g	≤± 0.02 g	3.8" dia. / 97 mm	50g, 100g, **200g	5.0 lbs / 2.3 kg
VIC-412	410 g	0.01 g	≤± 0.02 g	5.6"x5.1" / 142x130 mm	50g, 100g, **200g	5.3 lbs / 2.4 kg
VIC-612	610 g	0.01 g	≤± 0.02 g	5.6"x5.1" / 142x130 mm	50g, 100g, **200g	5.3 lbs / 2.4 kg
VIC-511	510 g	0.1 g	≤± 0.1 g	5.6"x5.1" / 142x130 mm	50g, **100g, 200g	5.0 lbs / 2.3 kg
VIC-711	710 g	0.1 g	≤± 0.1 g	5.6"x5.1" / 142x130 mm	50g, **100g, 200g	5.3 lbs / 2.4 kg
VIC-1501	1,500 g	0.1 g	≤± 0.1 g	5.6"x5.1" / 142x130 mm	200g, 500g, 1000g	4.8 lbs / 2.2 kg
VIC-3101	3,100 g	0.1 g	≤± 0.1 g	5.6"x5.1" / 142x130 mm	500g, 1000g, 2000g	4.8 lbs / 2.2 kg
VIC-5101	5,100 g	0.1 g	≤± 0.1 g	5.6"x5.1" / 142x130 mm	1kg, 2kg, 5kg	4.8 lbs / 2.2 kg
VIC-4kg	4,100 g	1.0 g	≤± 1.0 g	5.6"x5.1" / 142x130 mm	500g, 1000g, 2000g	4.8 lbs / 2.2 kg
VIC-6kg	6,100 g	1.0 g	≤± 1.0 g	5.6"x5.1" / 142x130 mm	1kg, 2kg, 5kg	4.8 lbs / 2.2 kg
VIC-10kg	10,100 g	1.0 g	≤± 1.0 g	5.6"x5.1" / 142x130 mm	1kg, 2kg, 5kg	4.8 lbs / 2.2 kg

* 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

Giving New Meaning to the Word ECON-omy

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The ECON series offers more than just precise weighing results "on the move" or "in the lab". Thanks to our compact design, large LCD display, rugged ABS housing, heavy-duty weight cell and advanced microprocessor make the ECON series the best in its class.

Our unique 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, great for schoolroom applications and more. The transportation "lock-switch" located on the bottom of the scale ensures safe portability for years of operation.

The line consists of four models from 210 to 4,100 gram capacity with readabilities from 0.1 to 1.0 grams. Engineered for maximum efficiency, these economy scales offer high performance at a great price.

Product features and highlights:

- Advanced microprocessor for accurate weighing results
- Rugged ABS housing with exclusive stackability for safe convenient storage
- Lock-switch for safe transportation
- Large LCD display
- Simple 3-key operation with external one-button calibration
- Lock-down capability
- Five weighing modes; g, lb, oz, dwt, ozt
- Included 9 volt battery (or optional AC adapter)
- Low battery, overload and underload indicators with auto shutoff



Model; EC-211 and EC-411 shown



Lock-down capability



Exclusive stackability feature

Precision balances in the ECON series

Model No.	Capacity	Read-ability	Pan Size	Calibration Weight	Shipping Weight
EC-211	210 g	0.1 g	5.3"x5.5" / 135x140 mm	200 g	1.5 lbs / 0.7 kg
EC-411	410 g	0.1 g	5.3"x5.5" / 135x140 mm	200 g	1.5 lbs / 0.7 kg
EC-2100	2,100 g	1 g	5.3"x5.5" / 135x140 mm	2 kg	1.5 lbs / 0.7 kg
EC-4100	4,100 g	1 g	5.3"x5.5" / 135x140 mm	2 kg	1.5 lbs / 0.7 kg

9 V Alkaline battery included, calibration weights are not included

Commonly Used Accessories

Model No.	Description
AC-1	Adapter, 120 V U.S. 2-pin UL/CSA
VCAL-200 (200 gram calibration weight)	
V-2kg (2kg calibration weight)	
LC-1	Anti-theft locking device with cable and padlock

ALC Series*

Precision Analytical and Toploading Balances

*Available 4th quarter 2005

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Analytical series with glass chamber

The ALC series from Acculab offers excellent performance for even the most demanding users. They meet all the requirements for efficient workflow and accurate results required in many of today's demanding laboratory applications.

All ALC models are made with state-of-the-art technology to provide accuracy, repeatability and outstanding performance at remarkably affordable prices. ALC balances are distinguished by an attractive design, durable ABS housing and user-friendly operation.

The ALC line consists of three analytical and



Toploader model with round stainless steel pan

nine toploader balances covering the most popular weighing ranges. Whether it's weighing precious metals, counting parts, or measuring chemicals and liquids, Acculab ALC series will answer your application needs efficiently and accurately.

Product features and highlights:

- Advanced microprocessor for accurate weighing results, digital filtering and fast stabilization
- Large LCD display
- Stainless steel weighing platform
- RS-232 bi-directional interface for connection to computer or printer
- Lock-down capability
- Four selectable application programs
- 20 different weighing modes
- Simple "one button" external calibration

Integrated Applications:

- Piece counting (5, 10, 20, 50, 100 selectable reference sampling)
- Percent weighing for solids, moisture loss, formulation, quality control
- Averaging for unstable ambient conditions
- Net totaling for formulation
- User selectable two unit toggling

Analytical and precision balances in the ALC series

Model No.	Capacity	Readability	Repeatability	Pan Size	Calibration Weight**	Shipping Weight
ALC-80.4	80 g	0.1 mg	≤± 0.1 mg	3.15" / Ø 80 mm	50 g	10.8 lbs / 4.9 kg
ALC-110.4	110 g	0.1 mg	≤± 0.1 mg	3.15" / Ø 80 mm	100 g	10.8 lbs / 4.9 kg
ALC-210.4	210 g	0.1 mg	≤± 0.1 mg	3.15" / Ø 80 mm	200 g	11.4 lbs / 5.2 kg
ALC-150.3*	150 g	1 mg	≤± 0.0015 g	3.95" / Ø 100 mm	100 g	6.2 lbs / 2.8 kg
ALC-320.3*	320 g	1 mg	≤± 0.001 g	3.95" / Ø 100 mm	200 g	7.3 lbs / 3.3 kg
ALC-810.2	810 g	0.01 g	≤± 0.01 g	4.6" / Ø 116 mm	500 g	5.3 lbs / 2.4 kg
ALC-1100.2	1,100 g	0.01 g	≤± 0.015 g	5.9" / Ø 150 mm	1 kg	5.3 lbs / 2.4 kg
ALC-2100.2	2,100 g	0.01 g	≤± 0.01 g	5.9" / Ø 150 mm	2 kg	6.4 lbs / 2.9 kg
ALC-3100.2	3,100 g	0.01 g	≤± 0.01 g	5.9" / Ø 150 mm	2 kg	6.4 lbs / 2.9 kg
ALC-2100.1	2,100 g	0.1 g	≤± 0.1 g	5.9" / Ø 150 mm	2 kg	5.3 lbs / 2.9 kg
ALC-4100.1	4,100 g	0.1 g	≤± 0.1 g	5.9" / Ø 150 mm	2 kg	5.3 lbs / 2.9 kg
ALC-6100.1	6,100 g	0.1 g	≤± 0.1 g	5.9" / Ø 150 mm	5 kg	5.3 lbs / 2.9 kg

* Round glass draft shield included

** Recommended calibration weight (not included)



Standard RS-232



Round draft shield included with mg models

SVI Series

Industrial Precision - Flexible and Reliable

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The Acculab SVI series scales are economically priced, have a rugged-low profile design and a unique backlit remote display. They are ideal for light industrial applications including shipping, receiving and general weighing applications.

The SVI's indicator can be table or wall mounted (bracket included). It is a snap to install, simple to operate and delivers extremely accurate results. In addition, the large backlit display is easy to read even under dim lighting conditions. The RS-232 data interface is standard and facilitates easy connectivity to a printer, PC or serial device.

Product Description:

- 5 models to choose from: 10kg (22 lbs) to 200kg (440 lbs) capacities
- Remote backlit display in ABS housing, with wall mounting bracket and spiral cable (up to 9 feet or 3 meters in length)
- Applications include: Counting, totaling and unit conversion
- Battery operation available on all models with three selectable auto off modes (4 min., 10 min., always on)
- External calibration with three selectable weight values
- Standard bi-direction RS-232 interface with 8 feet or 2.7 meters of cabling and DB-9 female connector

Product features and highlights:

- Remote backlit LCD display with uniquely designed indicator
- Removable stainless steel low-profile weighing platforms
- Rugged industrial design with more than 200% overload protection
- Three application programs
- Simple operation with external one-button calibration
- Weighing modes; kg, lb, & ozt (gram weighing also available on SVI-10A & 20B models)
- AC and 9 volt battery operation (power adapter included with all models)
- Low battery, overload, underload and audio tone indicators with auto shutoff



Low profile design with stainless steel pan



Model SVI-100E & SVI-200F with adjustable feet



Large blue backlit display



Included RS-232 interface with cable

Bench and floor scales of the SVI series

Model No.	Capacity	Readability	Platform Size	Calibration Weight	Shipping Weight
SVI-10A	22 lbs / 10 kg	0.002 lbs / 1 g	12.4"x12.4" / 308x308 mm	2, 5, 10 kg	14.0 lbs / 6.4 kg
SVI-20B	44 lbs / 20 kg	0.005 lbs / 2 g	12.4"x12.4" / 308x308 mm	5, 10, 20 kg	14.0 lbs / 6.4 kg
SVI-50C	110 lbs / 50 kg	0.01 lbs / 5 g	12.4"x12.4" / 308x308 mm	5, 10, 20 kg	14.0 lbs / 6.4 kg
SVI-100E	220 lbs / 100 kg	0.05 lbs / 20 g	15.9"x20.5" / 403x520 mm	5, 20, 50 kg	42.2 lbs / 19.2 kg
SVI-200F	440 lbs / 200 kg	0.1 lbs / 50 g	15.9"x20.5" / 403x520 mm	5, 20, 50 kg	42.2 lbs / 19.2 kg

Selectable calibration weights not included

VA Series

High-Resolution Compact Industrial Bench Scales

VA series compact industrial bench scales offer rugged cast aluminum frames with stainless steel platforms. IP-65 base-protection provides wash down, dust-tight dependability, ensuring reliability in the most demanding industrial environments. Front, remote or post mount backlit display offers excellent flexibility and convenient installation. VA series platforms are available in two sizes, from 6kg to 30kg (13.2 lbs. to 66.1 lbs.) capacity. The series also has eight (8) standard built-in application programs.

Product Description:

- Standard post or front mount backlit LCD display
- Applications include: Counting, unit conversion, second tare memory, averaging/animal weighing, calculation by factor, number totaling, weighing in percent, gross/net toggling
- AC operation (or optional rechargeable battery pack)
- 20 mass unit conversions (including; g, kg, lbs, oz, ozt, and more)
- Standard bi-directional RS-232 interface
- Leveling bubble with four adjustable feet

Product features and highlights:

- Compact industrial design with IP-65 platform protection
- Front, remote or post mount backlit display
- Removable stainless steel pan for easy cleaning
- Shock-absorbing overload protection
- Eight application programs
- External calibration selectable between kg, g, & lbs



Front mount backlit display



Percent weighing/QC



Model: VA-30kg with post mount display

Commonly Used Accessories

Model No.	Description
VA-BAT	Battery pack, rechargeable, external
VA-CAB	Cable 9-pin and 25-pin interfacing, 5ft, fits RS-232
VA-DUST	Dust cover, display

Industrial Bench Scales

Model No.	Capacity	Readability	Repeatability	Platform Size	Calibration Weight	Shipping Weight
VA-6kg	13.2 lbs / 6 kg	0.0002 lbs / 0.1 g	+/- 0.2 g	12.6"x9.4" / 320x240mm	5lb or 2kg	15.4 lbs / 7,0 kg
VA-12kg	26.4 lbs / 12 kg	0.0005 lbs / 0.2 g	+/- 0.4g	12.6"x9.4" / 320x240mm	10lb or 5kg	15.4 lbs / 7,0 kg
VA-30kg	66.1 lbs / 30 kg	0.001 lbs / 0.5 g	+/- 1.0 g	15.7"x11.8" / 400x300mm	20lb or 10kg	24.0 lbs / 10,9 kg

Calibration weights not included.

Pocket-Pro Series

Ultimate in Portability - Patented Design

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The Pocket Pro series from Acculab has been developed for portability, making these scales ideal for remote or "on the go" applications. They can also be used when space is a premium. Pocket Pro features 0.1g and 0.01g readability, ideal for sample preparation, test/calibration kits, quality control and special applications.

All models have a lightweight durable housing made of ABS plastic. The Pocket Pro's unique slide closure mechanism locks the weighing pan during transport and protects the backlit display.

Product Description:

- Weight units; grams & ounces (model: PP-62 also features; carats & grains)
- Automatic energy saving mode
- Scale package includes; gift box, scale, calibration weight, one "AA" battery & weighing tray
- Concave platform for weighing round objects
- Simple 3-key operation

Product features and highlights:

- Patent pending design
- Durable ABS housing with blue backlit LCD display
- Uniquely designed locking mechanism for effective protection during transport
- Selectable weight units
- Audio tone, overload, underload and low battery indicators
- Operates with one "AA" battery



Unique slide closure & concave pan



Backlit LCD display



Included calibration weight



Removable weigh tray

Pocket Pro Series

Model No.	Capacity	Readability	Pan Size	Calibration Weight	Shipping Weight
PP-62	65 g	0.01 g	2.9"x2.5" / 73x63 mm	50 g	0.48 lbs / 0.2kg
PP-201	200 g	0.1 g	2.9"x2.5" / 73x63 mm	100 g	0.58 lbs / 0.3kg
PP-401	400 g	0.1 g	2.9"x2.5" / 73x63 mm	200 g	0.58 lbs / 0.3kg

Included with scale AA battery, cal-weight, and weigh tray

Item number*:	Description:	Compatible Series or Model:
Power Adapters:		
AC-1	120V/60hz USA 2-Pin approved	VI, VIR, SV, GSI, ECON, VICON, SVI, PP-2060D
AC-2	220V/50hz Euro 2-Pin CE	VI, VIR, SV, GSI, ECON, VICON, SVI, PP-2060D
AC-3	220V/50hz UK 3-Pin CE	VI, VIR, SV, GSI, ECON, VICON, SVI, PP-2060D
AC-4	110V/50hz Japan 2-Pin T-Mark	VI, VIR, SV, GSI, ECON, VICON, SVI, PP-2060D
AC-5	220V/50hz AUS/NZ 2-Pin T-Mark	VI, VIR, SV, GSI, ECON, VICON, SVI, PP-2060D
ACAL-1	115V USA 2-Pin approved	AL series
ACAL-3	230V Euro 2-Pin CE	AL series
ACAL-4	240V UK 3-Pin CE	AL series
ACAL-8	240V AUS/NZ 2-Pin CE	AL series
Cal-Weights:		
VCAL-100F1	100g Cylinder Class F1	VI-1mg, PP-201
VCAL-200F1	200g Cylinder Class F1	VI-3mg
VCAL-200M1	200g Cylinder Class M1	VI-200 & 350
VCAL-200	200g Cylinder	VI-400 & VI-600 (2x)
V-1KG	1000g Cylinder	VI-1200
V-2KG	2000g Cylinder	VI-2400, VI-4800 (2x), VI-4kg, VI-6kg (2x) & VI-10kg (3x)
ALCAL-50	50 gram, Class 2	AL-64
ALCAL-100	100 gram, Class 2	AL-104
ALCAL-200	200 gram, Class 2	AL-204 & AL-203
ALCAL-200-3	200 gram, Class 3	AL-402
ALCAL-500	500 gram, Class 3	AL-602
ALCAL-1kg	1 kg, Class 3	AL-1502
ALCAL-2kg	2 kg, Class 3	AL-2001 & AL-4001
ALCAL-5kg	5 kg, Class 3	AL-6001
PPCAL-50F1	50g Cylinder Class F1	PP-2060D & PP-62
PPCAL-200	200g Flat Weight	PP-250B, PP-401
Miscellaneous:		
LC-1	Lock Down Cable & Padlock	AL, ALC, VI, VICON, GSI & ECON
V-CASE	Hard Shell Carry Case for VI & GSI series	VI, VIR, GSI
VIR-CAB	Data cable 9 pin (Female to Female)	AL, VIR series
LAT-CAB	LA, LT & VA series PC Cable (25 pin male to 9 pin Female)	LA, LT, ALC & VA series
DOTPRINT	Printer kit, Portable Data Printer and Cable	AL, VIR, VICON, VA, SVI series
DOT-CAB	Printer cable	AL & VIR models
6906920	Printer paper (pkg of 5 small rolls) Dotmatrix Printer	Dot matrix printer (DOTPRINT)
U1-400181.1	120 volt Wall TRSFMR, (9VDC/ 1000MA output) FOR DOT MATRIX	Dot matrix printer (DOTPRINT)
U1-ALCOVER-A	AL series ANALYTICAL Protective cover	AL-204, AL-104 & AL-64
U1-ALCOVER-R	AL series in-use cover for round pan balances	AL-203, AL-402, AL-602, AL-1502
U1-ALCOVER-S	AL series in-use cover for square pan balances	AL-2001, AL-4001 & AL-6001
YADAP-RS	VICON RS-232 kit plus cable	VICON series
YADAP-USB	VICON USB kit plus cable	VICON series
(please call)	Plastic flip down lid for VICON milligram models	VICON series
(please call)	Plastic flip down lid for VICON toploader models	VICON series
(please call)	Hard shell carrying case	VICON & ECON series



*Item numbers subject to change without notice



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