

# **Adam Equipment**



## January 2003





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### **Analytical Balances**

#### AEA Series Analytical Balances (OIML and EC Approved)

The AEA series are the professional series of analytical balances in the AdamLab range. The AEA-A versions have OIML and EC approval issued by NMI.



- Motorised internal calibration weight
- Standard applications include weighing, parts counting, percentage weighing, averaging, filling guide, statistics, animal weighing and density determination.
- Large weighing pan and chamber with 3 door windshield
- 3 weighing units grams, milligrams and carats
  Bi-directional RS-232 interface for GLP compliant reports and connection to a computer or printer

• Display and RS-232 output is marked to show the verification interval e=0.001g

- Automatic temperature compensation
- Automatic calibration due to temperature variations
- Automatic calibration cannot be disrupted by the user and includes a function to recalibrate the balance to maintain accuracy
- Easy to use keypad
- Date and time
- Capacity tracker
- Below pan weighing facility
- Interface for standard PC keyboard, remote display, or tare and print foot switches

Model	Capacity	Readability	Pan size
AEA 160DA	62g/160g	0.01mg/0.1mg	85mm Ø
AEA 100SA	100g ~	0.01mg	85mm Ø
AEA 100A	100g	0.1mg	100mm Ø
AEA 160A	160g	0.1mg	100mm Ø
AEA 220A	220g	0.1mg	100mm Ø

#### Accessories

AdamLab Standard Printer **AEA Dust Cover** Anti-Vibration Table **Below Balance Weighing Hanger** Density Determination Kit Remote Display Remote Tare and Print (Two Foot Pedals)





### **Analytical Balances**

#### **AEA Series Analytical Balances**

The AEA series are the professional series of analytical balances in the AdamLab range



Motorised internal calibration weight

 Standard applications include weighing, parts counting, percent weighing, averaging, filling guide, statistics, animal weighing and density determination.

- Large weighing pan and chamber with 3 door windshield

16 weighing units including 1 user programmable custom unit
Bi-directional RS-232 interface for GLP compliant reports and connection to a computer or printer

Automatic temperature compensation

• Selectable automatic calibration due to temperature

- variations
- Easy to use keypad
- Date and time
- Capacity tracker
- Below pan weighing facility

 Interface for standard PC keyboard, remote display, or tare and print foot switches

Model	Capacity	Readability	Pan size
AEA 160DG	62g/160g	0.01mg/0.1mg	85mm Ø
AEA 100SG	100g	0.01mg	85mm Ø
AEA 100G	100ğ	0.1mg	100mm Ø
AEA 160G	160g	0.1mg	100mm Ø
AEA 250G	250g	0.1mg	100mm Ø

#### Accessories

AdamLab Standard Printer AdamLab Statistics Printer AEA Dust Cover Anti-Vibration Table **Below Balance Weighing Hanger** Data Collection Program Density Determination Kit Remote Display Remote Tare and Print (Two Foot Pedals)





#### **AFP Top Loading Balances**

The AFP series of top loading balances combines precision weighing technology with the latest processing software.

- Large 16 segment LCD display
- Sealed keypad
- Dual tare keys
- Automatic temperature compensation

 Audible warning of temperature variation outside predetermined limits

- GLP compliant software package for calibration print out
- Digital filters and suppression of the last digit on the display
- Functions include parts counting, percentage weighing and high and low check-weighing
- Push-button calibration

• Bi-directional RS-232 interface for GLP compliant reports and connection to a computer or printer

- Below pan weighing facility
- All AFPs with 1mg readability include a square glass windshield as standard

Model	Capacity	Readability	Pan size
AFP 110L	110g	1mg	128×128mm
AFP 210L	210g	1mg	128×128mm
AFP 360L	360g	1mğ	128×128mm
AFP 720L	720g	1mğ	128×128mm
AFP 800L	800g	0.01g	165×165mm
AFP 1200L	1200g	0.01g	165×165mm
AFP 2100L	2100g	0.01g	165×165mm
AFP 3100L	3100g	0.01g	165×165mm
AFP 4100L	4100ğ	0.01g	165×165mm

Accessories

AdamLab Standard Printer AdamLab Statistics Printer AFP Dust Cover AFP In-Use Wet Cover Anti-Vibration Table Below Balance Weighing Hanger Data Collection Program Density Determination Kit

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#### AEP Top Loading Balances (OIML and EC Approved)

The AEP series are the professional series of top loading balances in the AdamLab range. The AEP-A versions have OIML and EC approval issued by NMI.

- Large graphical LCD display with backlight and function icons
- Motorised internal calibration weight

 Standard applications include weighing, parts counting, check weighing, percentage weighing, averaging, filling guide, statistics, animal weighing and density determination

- 2 weighing units grams and carats
- Bi-directional RS-232 interface for GLP compliant reports and connection to a computer or printer
- Display and RS-232 output are marked to show the
- verification interval e=0.01g/0.1g
- Automatic temperature compensation
- Automatic calibration due to temperature variations

• Automatic calibration cannot be disrupted by the user and includes a function to recalibrate the balance to maintain accuracy

- Easy to use keypadDate and time
- Capacity tracker
- Below pan weighing facility

 Interface for standard PC keyboard, remote display, or tare and print foot switches

- Built-in security bracket
- Draughtshield included on all 1mg models

Model	Capacity	Readability	Pan size
AEP 150A	150g	1mg	128×128mm
AEP 250A	250g	1mg	128×128mm
AEP 450A	450g	1mg	128×128mm
AEP 650A	650g	1mg	128×128mm
AEP 1500A	1500g	0.01g	165×165mm
AEP 2500A	2500g	0.01g	165×165mm
AEP 4500A	4500g	0.01g	165×165mm

Accessories

AdamLab Standard Printer **AEP Dust Cover** AEP In use wet cover Anti-Vibration Table Below Balance Weighing Hanger Density Determination Kit Remote Display Remote Tare and Print (Two Foot Pedals) ALYS Labware, Lausanne Tel: 021 312 42 60 Fax: 021 312 42 61 Document created: 13 Jan 2003 labware@alys-technologies.com





#### **AEP Top Loading Balances**

The AEP series are the professional series of top loading balances in the AdamLab range.

- Large graphical LCD display with backlight and function icons
- Motorised internal calibration weight
- Standard applications include weighing, parts counting, check weighing, percent weighing, averaging, filling guide,
- statistics, animal weighing and density determination
  16 weighing units including 1 user programmable custom unit
  Bi-directional RS-232 interface for GLP compliant reports and connection to a computer or printer
- Automatic temperature compensation
- Selectable automatic calibration due to temperature
- variations
- Easy to use keypad
- Date and time
- Capacity tracker
- Below pan weighing facility
- Interface for standard PC keyboard, remote display, or tare and print foot switches
  - Built-in security bracket
  - All AEPs with 1mg readability include a square glass windshield as standard

Model	Capacity	Readability	Pan size
AEP 150G	150g	1mg	128×128mm
AEP 250G	250g	1mg	128×128mm
AEP 450G	450g	1mg	128×128mm
AEP 650G	650g	1mg	128×128mm
AEP 1500G	1500g	0.01g	165×165mm
AEP 2500G	2500g	0.01g	165×165mm
AEP 4500G	4500g	0.01g	165×165mm
AEP 6000G	6000g	0.01g	165×165mm

#### Accessories

AdamLab Standard Printer AdamLab Statistics Printer **AEP Dust Cover** AEP In use wet cover Anti-Vibration Table **Below Balance Weighing Hanger** Data Collection Program Density Determination Kit Remote Display Remote Tare and Print (Two Foot Pedals)

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#### **ADK Top-Loading Balances**



The ADK with its large weighing pan and cast aluminium base is ideal for heavy capacity weighing.

- Robust construction with heavy duty casing
- Stainless steel weighing pan
- Full range tarePush-button calibration
- Vacuum fluorescent display
- RS-232 interface
- Simple key operation
- Anti-shock protection
- Below pan weighing facility

Model	Capacity	Readability	Pan size
ADK 10	10kg	0.1g	300×340mm
ADK 20	20kg	0.1g	300×340mm

Accessories

AdamLab Standard Printer AdamLab Statistics Printer Anti-Vibration Table **Below Balance Weighing Hanger** 

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#### **ADG Top-Loading Balances**



The ADG is a robust balance with internal rechargeable battery and bi-directional RS-232 interface as standard.

- Precision load cell mechanism
- Standard adapter, charging the battery at the same time as powering the balance
- Advanced software providing enhanced resolution and repeatability
- Push-button calibration
- Functions include parts counting, percentage weighing and high and low check-weighing
- Below pan weighing facility

Model	Capacity	Readability	Pan size
ADG 3000L	3000g	0.1g	160×160mm
ADG 6000L	6000g	0.1g	160×160mm
ADG 10L	10kg	0.2g	160×160mm

Accessories

AdamLab Standard Printer AdamLab Statistics Printer ADG Dust Cover ADG In use wet cover Anti-Vibration Table Data Collection Program

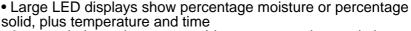
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### **Moisture Balances**

#### **AMB Moisture Balances**

The AMB moisture balance is a precision device for the determination of moisture content in small samples of materials by drying the sample with halogen heaters.



- 2 quartz halogen heaters provide constant and even drying
- 7 preset drying modes

• Temperature range 50°C to 160°C, also available in high temperature version operating up to 250°C

- Maintenance of the pre-selected temperature to within 1°C
- Analysis automatically terminates when drying is complete or after a user selectable time
- Bi-directional RS-232 interface for connection to a computer or printer
- Data collection program available
- Memory stores last drying procedure
- Memory for temperature correction for 9 types of sample (user programmable)
- Calibration facilities for temperature and weight

Model	Capacity	Readability	Pan size
AMB 50	50g	1mg / 0.01%	100mm Ø
AMB 110	110g	1mg / 0.01%	100mm Ø
AMB 310	310ğ	1mg / 0.01%	100mm Ø

#### Accessories

AdamLab Standard Printer AdamLab Statistics Printer AMB High Temperature Option (to 250 °C) Anti-Vibration Table Data Collection Program Disposable Aluminium Sample Pans (Pack of 10) Disposable Aluminium Sample Pans (Pack of 250)

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#### **QW Portable Scale**



The QW is a basic weighing scale with a large stainless steel pan ideal for a wide range of weighing applications such as catering, portion control, office use and schools.

- Weighing units g, lb and oz
  Auto calibration through the keypad
  Auto power off to save battery life, with low battery warning
  Battery or AC power (adapter supplied as standard)
  Large LCD display
  Large, easy to use keys
  Tare function

- Tare function

Model	Capacity	Readability	Pan size
QW 1	1000g	0.5g	217×168mm
QW 2	2000g	1g	217×168mm
QW 5	5000g		217×168mm
QW 10	10kg	2g 5g	217×168mm
QW 15	15kg	10ğ	217×168mm



#### **QT Series Portable Balances**



The QT is an economically priced balance tailored for many weighing applications.

- Attractive, compact design
- Large stainless steel weighing pan
  Low battery indicator
  Clear LCD display with backlight
  Auto calibration via keypad
  Auto power off to save battery life

- Battery or AC adapter (adapter supplied as standard)
- 4 weighing units: g, ct, oz, dwt or: kg, g, lb, oz (dependent upon model)

• All models with 0.01g or 0.1g readability have a windshield as standard

Model	Capacity	Readability	Pan size
QT 200	200g	0.01g	100mm Ø
QT 250	250g	0.1g	120×120mm
QT 600	600g	0.1g	120×120mm
QT 1500	1500g	0.1g	120×120mm
QT 2000	2000g	1g	145×145mm
QT 5000	5000g	1ğ	145×145mm



#### **QMS Pocket Balances**



The QMS is a portable pocket balance with digital LCD display.

- Auto power offTare button

- Low battery indicator
  Calibration through the keypad
  Soft lined pouch
  Batteries supplied

Model	Capacity	Readability	Pan size
QMS 100	50g/100g	0.1g/0.2g	90×80mm



#### **ACB Precision Portable Balances**



The ACB is a lightweight, rugged precision portable balance suitable for a wide range of weighing applications.

- Backlit LCD display
- 13 different weighing units
  Battery or AC power with automatic shut off (adapter supplied as standard)
- Auto calibration through the keypad
  - RS-232 interface
- Weighing, percentage weighing and parts counting
  Stainless steel weighing pan
  Standard rectangular windshield

- Tare function
- Overload protection

Model	Capacity	Readability	Pan size
ACB 150	150g	0.005g	116mm Ø
ACB 300	300g	0.01g	116mm Ø
ACB 600	600g	0.02g	116mm Ø
ACB 600H	600ğ	0.01g	116mm Ø
ACB 1500	1500g	0.05g	144×124mm
ACB 3000	3000g	0.1g	144×124mm



## **Check Weighing Scales**

### **TCW Bench Check Weighing Scales**



Accurate, fast and versatile, the TCW series of bench check weighing scales is suitable for most industrial applications.

- Large, clear backlit LCD display
  Easy to use keypad available in text version (standard) or symbol version (optional)
  Functions include check weighing to pre-set weight, percentage weighing and basic parts counting
  Memory accumulation

- Internal rechargeable battery with up to 70 hours of operation
- Tare function
- Large stainless steel pan
- RSŽ32 output (optional)

Model	Capacity	Readability	Platform size
TCW 3000	3000g	0.1g	225×300mm
TCW 6000	6000g	0.2g	225×300mm
TCW 15	15kg	0.5g	225×300mm
TCW 30	30kg	1g	225×300mm

Accessories

RS 232 Option Card TCW In-Use Wet Cover



## **Platform Scales**

#### **TFW Floor Weighing Scales**



The TFW series of floor scales are easy to use and are ideal for various industrial applications. The internal rechargeable battery makes them totally portable

Large, clear backlit LCD display
Easy to use keypad - available in text version (standard) or symbol version (optional)
Functions include check weighing to pre-set weight, percent weighing and basic parts counting

- Memory accumulation
- Internal rechargeable battery with up to 70 hours of operation Tare function
- Large stainless steel platform
- RSŽ32 output (optional)

Model	Capacity	Readability	Platform size
TFW 60	60kg	5g	425×525mm
TFW 150	150kg	10g	425×525mm
TFW 300	300kg	20g	425×525mm

**RS 232 Option Card** 

Accessories



## **Platform Scales**

#### **HW Approvable Platform Scales**



The HW series of scales provides an accurate, fast and versatile series of scales which can be approved to Euro standard (EN-45501).

- Stainless steel platform, cast aluminium construction and approved load cell (OIML-R60)
  Displays in kilograms or pounds (can be changed at factory)
  Accumulation of results into memory

- Semi-automatic tare
- High and low preset weights
- Parts countingBacklight for LCD operation in poor lighting conditions
- Internal rechargeable battery
- Optional RS-232

Model	Capacity	Readability	Platform size
HW 60A	60kg	20g	425×525mm
HW 150A	150kg	50g	425×525mm
HW 300A	300kg	100g	425×525mm

Accessories

RS 232 Option Card



## **Platform Scales**

#### **CPW Compact Scales**

The CPW is a multi-purpose compact scale.

- Stainless steel housing and weighing platform with remote indicator

- Large LCD display
  Simple 4 button operation
  Portable with battery power
  AC adapter included
  Switchable between kilograms and pounds
  Low cost for many applications
- Tare function

Model	Capacity	Readability	Platform size
CPW 25	25kg	10g	310×300mm
CPW 50	50kg	20g	310×300mm
CPW 100	100kg	50g	310×300mm
CPW 150	150kg	100ğ	310×300mm

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## **Counting Scales**

#### **TFC Floor Counting Scales**



TFC floor counting scales have a large platform and are designed for various industrial applications. They are supplied with an internal rechargeable battery, making them totally portable.

- 3 backlit LCD displays with 20mm digits
  Easy to use keypad available in text version (standard) or symbol version (optional) • Memory accumulation of count
- Programmable for counting to a pre-set number of parts
- Internal rechargeable battery with up to 70 hours of operation
- Tare function
- Large stainless steel platform
- Automatic sample enhancement
- RS232 output (optional)
   Internal count 1:400,000

Model	Capacity	Readability	Platform size
TFC 60	60kg	5g	425×525mm
TFC 150	150kg	10g	425×525mm
TFC 300	300kg	20g	425×525mm

Accessories

RS 232 Option Card



## **Counting Scales**

#### **TCC Bench Counting Scales**

TCC bench counting scales are rugged and dependable. They are supplied with an internal rechargeable battery, making them totally portable.

- 3 backlit LCD displays with 20mm digits
- Easy to use keypad available in text version (standard) or symbol version (optional)
- Memory accumulation of count
- Programmable for counting to a pre-set number of parts
- Internal rechargeable battery with up to 70 hours of operation
- Tare function
- Large stainless steel pan
- Automatic sample enhancement
- RS232 output (optional)
   Internal count 1:400,000

Model	Capacity	Readability	Platform size
TCC 3000	3000g	0.1g	225×300mm
TCC 6000	6000g	0.2g	225×300mm
TCC 15	15kg	0.5g	225×300mm
TCC 30	30kg	1g	225×300mm

Accessories

**RS 232 Option Card** TCC In-Use Wet Cover





## **Counting Scales**

### **ACH High Resolution Counting Scales**



The ACH series of high resolution bench counting scales provides an accurate, fast and versatile series of counting and check-weighing scales.

- High counting resolution (Internal resolution 1:600,000)
- Internal rechargeable battery with up to 200 hours of use
- Fully portable
- 3 clear LCD displays
- Memory accumulation and storage of 10 unit weights
- Audible signal when predetermined quantity or weight is reached or exceeded
- Preset tare function
- Simple, rapid data entry

Model	Capacity	Readability	Platform size
ACH 3	3000g	0.1g	290×245mm
ACH 6	6000g	0.2g	290×245mm
ACH 10	10kg	0.5g	290×245mm
ACH 30	30kg	1g	290×245mm

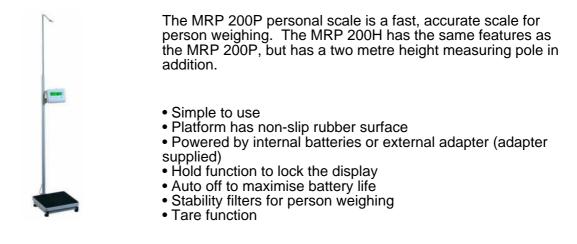
Accessories

ACH RS232 Option Card ACH In use wet cover

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#### **MRP Personal Scales**



Model	Capacity	Readability	Platform size
MRP 200P	200kg	100g	250×300mm
MRP 200H	200kg	100g	250×300mm

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#### MCW 150 Chair Weigher



The MCW 150 chair weigher is a self-contained unit which allows patients to be weighed whilst seated.

- Ideal for patients with restricted mobility
  Can be wheeled from room to room
  Two adjustable feet for stability
  Indicator can be powered by battery for total portability (adapter supplied as standard)
  Hold function to lock the display
  Tare function

Model	Capacity	Readability	Platform size
MCW 150	150kg	50g	-

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### **MCB Wheelchair and Bed Weighing Beams**



MCB 300 wheelchair and MCB 400 bed weighing beams provide a portable method of weighing patients with restricted mobility.

- Total weight of system only 15kg
  Supplied complete with the AE106 medical indicator (mains and battery powered)
  Carry handles for easy portability
  Ramps for easy and smooth access

- Tare function
- Beam size (I x w x d) 895 x 244 x 40mm

Model	Capacity	Readability	Platform size
MCB 300	300kg	100g	-
MCB 400	400kg	100g	-

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### CMB 20 Baby Scale



The CMB 20 baby scale is a lightweight, portable scale for weighing both babies and toddlers

- Easy to read LCD display in kg and lbs
  Water resistant keyboard and construction
  9V battery or AC adapter (adapter supplied)
- Auto power off
- Hold function
- Hygienic and easy to clean
  Indicator can be wall mounted
- Tare function

Model	Capacity	Readability	Platform size
CMB 20	20kg	10g	520×265mm

Accessories

Carry Case for CMB Baby Scales



## **Mechanical Balances**

#### **AQ Mechanical Balances**



The AQ series are low cost mechanical balances, which meet the requirements for high precision and reliable weighing in laboratories, schools and industry.

- Low cost
- High precision

- Magnetic damping for faster stability
  Rigid construction for durability
  Zero adjust facility to enable zero reading
  Notched and tiered graduated beams with centre reading
- Stainless steel weighing pan
- Built-in platform for density determination

Model	Capacity	Readability	Pan size
AQ 311S	311g	0.01g	100mm Ø
AQ 2610T	610g	0.1g	150mm Ø
AQ 2610S	2610g	0.1g	150mm Ø

Accessories	
Extra Weight Set for AQ 2610T (2Kg)	



### Indicators

### **AE 106 Weighing Indicator**



The AE106 is a versatile all-purpose indicator which can be configured to match a wide range of platforms or beams.

- Versatile multi-purpose indicator Bi-directional RS-232 interface.
- Plastic, mild steel or stainless steel Housing.
  Available in 5 or 16 key versions.
- Internal rechargeable battery as standard.
- Power adaptor is standard

#### Model

AE 106 5 key (Plastic) AE 106 5 key (Mild Steel) AE 106 5 key (Stainless Steel) AE 106 16 Key (Plastic) AE 106 16 key (Mild Steel) AE 106 16 key (Stainless Steel)



### Indicators

### **HW EC Approved Indicator**



A general purpose indicator, approved to Euro standard, for displaying weight, with the additional abilities to do parts counting and check-weighing.

- Displays in grams, kilograms or pounds (can be changed at factory)
- Accumulation of results into memory
- Semi-automatic tare
- High and low preset weights
- Parts counting
- Backlight for LCD operation in poor lighting conditions
- Internal rechargeable battery
- Optional RS-232

Model

HW Approved Indicator

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