

# Precision & Analytical Balances



## Pioneer™

Designed to meet simple weighing needs at the best price

- ✓ All glass draughtshield with 3 sliding doors on 0.1mg and 1mg models
- ✓ Option of internal calibration makes it unbeatable in its class
- ✓ Front level indicator



<b>Application</b>	Weighing (18 units + 1 custom unit), parts counting, percentage weighing
<b>Display</b>	LCD plus optional auxiliary display
<b>Operation</b>	Mains power
<b>Communication</b>	RS232 for sending balance ID and weight
<b>Construction</b>	Solid diecast metal base, stainless steel pan
<b>Design features</b>	Fixed integral weigh below hook, all-glass draughtshield with 3 sliding doors on 0.1mg and 1mg models, front levelling bubble, menu and calibration locks



for printers, cables and software see p.53



## Analytical



Model	APP	CAL INT	Capacity	Readability (d)	e	Platform	Test Weight	Item No.	Price £
PA64			65g	0.1mg		Ø90mm	50g, E2	80251550	780
PA64C		•	65g	0.1mg		Ø90mm	50g, E2	80251556	930
PA64CM	•	•	65g	0.1mg	1mg	Ø90mm	50g, E2	80251559	1060
PA114			110g	0.1mg		Ø90mm	100g, E2	80251551	835
PA114C		•	110g	0.1mg		Ø90mm	100g, E2	80251557	985
PA114CM	•	•	110g	0.1mg	1mg	Ø90mm	100g, E2	80251560	1115
PA214			210g	0.1mg		Ø90mm	200g, E2	80251552	1000
PA214C		•	210g	0.1mg		Ø90mm	200g, E2	80251558	1150
PA214CM	•	•	210g	0.1mg	1mg	Ø90mm	200g, E2	80251561	1280

## Precision



Model	APP	CAL INT	Capacity	Readability (d)	e	Platform	Test Weight	Item No.	Price £
PA213			210g	1mg		Ø120mm	200g, F1	80251563	555
PA213C		•	210g	1mg		Ø120mm	200g, F1	80251566	705
PA213CM	•	•	210g	1mg	10mg	Ø120mm	200g, F1	80251569	835
PA413			410g	1mg		Ø120mm	200g + 200g, F1	80251564	605
PA413C		•	410g	1mg		Ø120mm	200g + 200g, F1	80251567	760
PA413CM	•	•	410g	1mg	10mg	Ø120mm	200g + 200g, F1	80251570	890
PA512			510g	0.01g		Ø180mm	500g, F1	80251571	530
PA512C		•	510g	0.01g		Ø180mm	500g, F1	80251576	685
PA512CM	•	•	510g	0.01g	0.1g	Ø180mm	500g, F1	80251580	815
PA2102			2100g	0.01g		Ø180mm	2kg, F1	80251573	590
PA2102C		•	2100g	0.01g		Ø180mm	2kg, F1	80251578	745
PA2102CM	•	•	2100g	0.01g	0.1g	Ø180mm	2kg, F1	80251582	875
PA4102			4100g	0.01g		Ø180mm	2kg + 2kg, F1	80251574	645
PA4102C		•	4100g	0.01g		Ø180mm	2kg + 2kg, F1	80251579	800
PA4102CM	•	•	4100g	0.01g	0.1g	Ø180mm	2kg + 2kg, F1	80251583	930
PA4101			4100g	0.1g		Ø180mm	2kg + 2kg, F1	80251575	530
PA4101C		•	4100g	0.1g		Ø180mm	2kg + 2kg, F1	80251428	685
PA4101CM	•	•	4100g	0.1g	0.1g	Ø180mm	2kg + 2kg, F1	80251429	815

Accessories	Item No.	Price £
Auxiliary Display PAD7 for Pioneer	80251396	47
Anti theft device for Scout Pro, Pioneer, Adventurer, Explorer/Voyager (models over 8kg), Traveler, Navigator	80850000	34

Accessories	Item No.	Price £
In use display cover for Pioneer	83020221	12
Density Determination Kit for Adventurer, Adventurer Pro, Adventurer SL, Pioneer, Explorer, Explorer Pro, Voyager, Voyager Pro	80253384	331

# Precision & Analytical Balances

## Adventurer™ Pro Analytical



The most complete balance in its class

- ✓ Advanced flip-top and sliding door frameless draughtshield
- ✓ Optional 2nd RS232 or USB interface
- ✓ 2 line backlit LCD & SmarText™ software to guide user through set-up & applications



<b>Application</b>	Weighing (17 units + 1 custom unit), parts counting, checkweighing, percentage weighing, totalisation, dynamic weighing, display hold, auto-tare
<b>Display</b>	2-line, backlit LCD, optional auxiliary display
<b>Operation</b>	Mains plus battery on certain models with auto-off
<b>Communication</b>	RS232 plus optional 2nd RS232 or USB, GLP including date, time, balance serial no., user/project ID & results
<b>Construction</b>	Durable ABS & stainless steel pan & in-use cover
<b>Design features</b>	Fixed integral weigh-below hook, advanced flip-top & sliding door frameless draughtshield, SmarText™ software, Quadrastance™ with 4 adjustable feet & front level bubble

for printers, cables and software see p.53



Model	M APP	CAL INT	Capacity	Readability (d)	e	Platform	Test Weight	Item No.	Price £
AV114			110g	0.1mg		Ø90mm	100g, E2	80103738	1525
AV114C		•	110g	0.1mg		Ø90mm	100g, E2	80103739	1740
AV114CM	•	•	110g	0.1mg	1mg	Ø90mm	100g, E2	80103740	1885
AV264			260g	0.1mg		Ø90mm	200g + 50g, E2	80103780	1630
AV264C		•	260g	0.1mg		Ø90mm	200g + 50g, E2	80103781	1845
AV264CM	•	•	260g	0.1mg	1mg	Ø90mm	200g + 50g, E2	80103782	1990

Accessories for Adventurer™ Pro Analytical and Adventurer™ Pro Precision	Item No.	Price £
Density Determination Kit for Adventurer, Adventurer Pro, Adventurer SL, Pioneer, Explorer, Explorer Pro, Voyager, Voyager Pro	80253384	331
Auxiliary Display AVD7 for Adventurer Pro	80251397	71
Anti theft device for Scout Pro, Pioneer, Adventurer, Explorer/Voyager (models over 8kg), Traveler, Navigator	80850000	34
In use balance cover for Adventurer Pro, SL - Large Housing	12103879	13
In use balance cover for Adventurer Pro, SL - Small Housing (Models battery operation)	12103980	13
USB interface kit for Adventurer Pro	83033014	84
RS232 Kit, Option COM2, ADVPro	80850092	37



# Precision & Analytical Balances

## Adventurer™ Pro Precision



### The most complete balance in its class

- ✓ Advanced flip-top and sliding door frameless draughtshield on all and 1mg models
- ✓ Optional 2nd RS232 or USB interface
- ✓ 2 line backlit LCD & SmarText™ software to guide user through set-up & applications

**Application** Weighing (17 units + 1 custom unit), parts counting, checkweighing, percentage weighing, totalisation, dynamic weighing, display hold, auto-tare

**Display** 2-line, backlit LCD, optional auxiliary display

**Operation** Mains plus battery on certain models with auto-off

**Communication** RS232 plus optional 2nd RS232 or USB, GLP including date, time, balance serial no., user/project ID & results

**Construction** Durable ABS & stainless steel pan & in-use cover

**Design features** Fixed integral weigh-below hook, advanced flip-top & sliding door frameless draughtshield on 1mg models, SmarText™ software, Quadrastance™ with 4 adjustable feet & front level bubble



for printers, cables and software see p.53



Model	M APP	CAL INT	Capacity	Readability (d)	e	Platform	Test Weight	Item No.	Price £
AV213			210g	1mg		Ø120mm	200g, F1	80103812	875
AV213C			• 210g	1mg		Ø120mm	200g, F1	80103813	1090
AV213CM	•		• 210g	1mg	10mg	Ø120mm	200g, F1	80103814	1235
AV313			310g	1mg		Ø120mm	200g + 100g, F1	80103833	910
AV313C			• 310g	1mg		Ø120mm	200g + 100g, F1	80103834	1125
AV413			410g	1mg		Ø120mm	200g + 200g, F1	80103854	940
AV413C			• 410g	1mg		Ø120mm	200g + 200g, F1	80103855	1155
AV413CM	•		• 410g	1mg	10mg	Ø120mm	200g + 200g, F1	80103856	1300
AV212		•	210g	0.01g		Ø120mm	200g, F1	80103520	405
AV212C			• 210g	0.01g		Ø120mm	200g, F1	80103898	620
AV212CDM	•		• 50/210g	0.01/0.02g	0.01/0.02g	Ø120mm	200g, F1	80103901	765
AV412		•	410g	0.01g		149x162mm	200g, F1	80103530	615
AV412C			• 410g	0.01g		168x180mm	200g, F1	80103952	830
AV412CDM	•		• 50/410g	0.01/0.05g	0.01/0.05g	168x180mm	200g, F1	80103953	975
AV812		•	810g	0.01g		149x162mm	500g, F1	80103550	675
AV812C			• 810g	0.01g		168x180mm	500g, F1	80103964	890
AV812CM	•		• 810g	0.01g	0.1g	168x180mm	500g, F1	80103965	1035
AV2102			2100g	0.01g		168x180mm	2kg, F1	80103875	825
AV2102C			• 2100g	0.01g		168x180mm	2kg, F1	80103876	1040
AV2102CM	•		• 2100g	0.01g	0.1g	168x180mm	2kg, F1	80103877	1185
AV3102			3100g	0.01g		168x180mm	1kg + 2kg, F1	80103910	885
AV3102C			• 3100g	0.01g		168x180mm	1kg + 2kg, F1	80103911	1100
AV4102			4100g	0.01g		168x180mm	2kg + 2kg, F1	80103931	940
AV4102C			• 4100g	0.01g		168x180mm	2kg + 2kg, F1	80103932	1155
AV4102CM	•		• 4100g	0.01g	0.1g	168x180mm	2kg + 2kg, F1	80103933	1300
AV2101		•	2100g	0.1g		149x162mm	2kg, F1	80103570	495
AV2101C			• 2100g	0.1g		168x180mm	2kg, F1	80103976	710
AV2101CDM	•		• 500/2100g	0.1/0.2g	0.1/0.2g	168x180mm	2kg, F1	80103977	855
AV4101		•	4100g	0.1g		149x162mm	2kg, F1	80103580	615
AV4101C			• 4100g	0.1g		168x180mm	2kg, F1	80103988	830
AV4101CDM	•		• 500/4100g	0.1/0.5g	0.1/0.5g	168x180mm	2kg, F1	80103989	975
AV8101		•	8100g	0.1g		149x162mm	5kg, F1	80103600	670
AV8101C			• 8100g	0.1g		168x180mm	5kg, F1	80104100	885
AV8101CM	•		• 8100g	0.1g	1g	168x180mm	5kg, F1	80104101	1030

# Precision & Analytical Balances

## Explorer®



**Highest performance, most technically advanced balance from OHAUS**

- ✓ High resolution multi-lingual colour VGA touch display with icons for simple operation
- ✓ Programmable multi-functional touch-free sensors for cleanliness, speed and safety
- ✓ Multiple application modes plus library for storage of personal application settings



- Application** Weighing (17 units + custom units), Parts Counting, % weighing, Animal/Dynamic Weighing, Checkweighing, Filling, Totalization, Formulation, Differential weighing, Density determination, Peak hold, Ingredient costing, Pipette adjustment, Gross/Net/Tare Weighing
- Display** High resolution 14.5cm (diagonal) full colour VGA touch display including QWERTY and numeric key pads plus weighing capacity indication
- Operation** Mains Operation
- Communication** Easy access communication ports (USB, RS232) plus 3rd communication port slot (Ethernet or 2nd RS232). GLP and GMP including date and time, Direct Data Transfer
- Construction** Metal base, ABS top housing, stainless steel pan, glass draftshield with flip-top, replaceable in-use cover
- Design features** 3-door draftshield with removable panels on 0.1mg and 1 mg models with draftshield light. Modular display design with adjustable angle (attach to base, wall or optional tower). AutoCal automatic internal calibration. Level assist feature with illuminated level indicator. Selectable environmental and auto-print settings. Integral weigh below hook. Protective in-use cover. Software lock switch



for printers, cables and software see p.53



## Analytical



Model	Capacity	Readability (d)	e	Platform	Test Weight	Item No.	Price £
EX124	120g	0.1mg		Ø90mm	100g, E2	83021331	2195
EX224	220g	0.1mg		Ø90mm	200g, E2	83021332	2500
EX224M	• 220g	0.1mg	1mg	Ø90mm	200g, E2	83021333	2645
EX324	320g	0.1mg		Ø90mm	300g, E2	83021335	2890
EX324M	• 320g	0.1mg	1mg	Ø90mm	300g, E2	83021336	3035

## Precision



Model	Capacity	Readability (d)	e	Platform	Test Weight	Item No.	Price £
EX223	220g	1mg		Ø130mm	200g, F1	83021341	1845
EX423	420g	1mg		Ø130mm	400g, F1	83021342	2045
EX423M	• 420g	1mg	0.01g	Ø130mm	400g, F1	83021343	2190
EX623	620g	1mg		Ø130mm	500g, F1	83021348	2320
EX1103	1100g	1mg		Ø130mm	1000g, F1	83021350	2995
EX1103M	• 1100g	1mg	0.01g	Ø130mm	1000g, F1	83021351	3140
EX2202	2200g	0.01g		190 x 200mm	2000g, F1	83021356	1805
EX4202	4200g	0.01g		190 x 200mm	4000g, F1	83021357	2055
EX4202M	• 4200g	0.01g	0.1g	190 x 200mm	4000g, F1	83021358	2200
EX6202	6200g	0.01g		190 x 200mm	5000g, F1	83021360	2355
EX10202	10200g	0.01g		190 x 200mm	10000g, F1	83021362	2765
EX10202M	• 10200g	0.01g	0.1g	190 x 200mm	10000g, F1	83021363	2910
EX6201	6200g	0.1g		190 x 200mm	5000g, F1	83021361	1560
EX10201	10200g	0.1g		190 x 200mm	10000g, F1	83021365	1920
EX10201M	• 10200g	0.1g	0.1g	190 x 200mm	10000g, F1	83021366	2065

Accessories	Item No.	Price £
Terminal Extension Cable	83021083	8
USB Interface for Explorer	83021085	8
2nd RS232 Interface for Explorer	83021081	31
Ethernet Interface for Explorer	83021082	69
Density Determination Kit for Adventurer, Adventurer Pro, Adventurer SL, Pioneer, Explorer, Explorer Pro, Voyager, Voyager Pro	80253384	331

Accessories	Item No.	Price £
Anti theft device for MB, Explorer, Voyager (Models up to 8kg)	80850043	104
In-use cover, terminal EX	83033633	15
Foot Switch Kit for Explorer	83021086	45
Tower Kit for Explorer	83021102	46
Draftshield Kit	83021084	167

# Precision & Analytical Balances



## Explorer® Pro High Capacity

### Multiple applications made easy

- ✓ Large, graphical backlit LCD
- ✓ Simple to use thanks to scrolling menus in user-selectable languages
- ✓ Optional AutoCal™ for optimised weighing performance



<b>Application</b>	Weighing (13 units + 1 custom unit), parts counting, checkweighing, percentage weighing, dynamic weighing, filling, Gross/net/tare, auto-tare
<b>Display</b>	Large graphical, backlit LCD with text prompts
<b>Operation</b>	Mains operation
<b>Communication</b>	RS232, GLP including date & time, balance serial no., user/project ID & results
<b>Construction</b>	Solid diecast metal base, stainless steel pan
<b>Design features</b>	Fixed integral weigh-below hook, optional AutoCal™ (fully automated internal calibration), user-selectable stability filter, stability indicator and auto-zero, in-use display cover, text prompts and scrolling menus



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Model	M APP	CAL INT	Capacity	Readability (d)	e	Platform	Test Weight	Item No.	Price £
EP12001			12000g	0.1g		280x356mm	10kg, F1	80108961	1940
EP12001C		•	12000g	0.1g		280x356mm	10kg, F1	80108960	2165
EP12001CM	•	•	12000g	0.1g	1g	280x356mm	10kg, F1	80108963	2310
EP22001			22000g	0.1g		280x356mm	10kg + 10kg, F1	80108965	2455
EP22001C		•	22000g	0.1g		280x356mm	10kg + 10kg, F1	80108964	2680
EP22001CM	•	•	22000g	0.1g	1g	280x356mm	10kg + 10kg, F1	80108967	2825
EP32001			32000g	0.1g		280x356mm	10kg + 10kg + 10 kg, F1	80108969	3030
EP32001C		•	32000g	0.1g		280x356mm	10kg + 10kg + 10 kg, F1	80108968	3250
EP32001CM	•	•	32000g	0.1g	1g	280x356mm	10kg + 10kg + 10 kg, F1	80108971	3395

Accessories	Item No.	Price £
Anti theft device for Scout Pro, Pioneer, Adventurer, Explorer/Voyager (models over 8kg), Traveler, Navigator	80850000	34
In use display cover for Explorer & Voyager	80850042	15

# Precision & Analytical Balances

## Discovery



*The Professional's choice for analytical applications up to 0.01mg*

- ✓ Rear mount load cell for ultimate isolation and accuracy
- ✓ Advanced AutoCal™ (2 internal calibration weights)
- ✓ 2 line backlit LCD & SmarText™ software to guide user through set-up & applications



<b>Application</b>	Weighing (11 units + 1 custom unit), parts counting, checkweighing, percentage weighing, totalisation, dynamic weighing, gross/net/tare, pipette calibration, density determination, statistics, high point
<b>Display</b>	2-line backlit LCD
<b>Operation</b>	Mains operation
<b>Communication</b>	RS232, GLP including date & time
<b>Construction</b>	Steel and shatter proof glass, stainless steel weighing pan
<b>Design features</b>	Fixed integral weigh-below hook, 3-door draught shield, environmental settings, in-use display cover, advanced AutoCal™ (2 internal weights), SmarText™ software



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Model	Capacity	Readability (d)	e	Platform	Test Weight	Item No.	Price £
DV114C	110g	0.1mg		Ø90mm	100g, E2	80104136	2225
DV114CM	• 110g	0.1mg	1mg	Ø90mm	100g, E2	80104140	2370
DV214C	210g	0.1mg		Ø90mm	200g, E2	80104137	2430
DV214CM	• 210g	0.1mg	1mg	Ø90mm	200g, E2	80104141	2575
DV314C	310g	0.1mg		Ø90mm	200g + 100g, E2	80104138	2825
DV314CM	• 310g	0.1mg	1mg	Ø90mm	300g, E2	80104142	2970
DV215CD	81/210g	0.01/0.1mg		Ø90mm	200g, E2	80104139	3120
DV215CDM	• 81/210g	0.01/0.1mg	1mg	Ø90mm	200g, E2	80104143	3265

Accessories	Item No.	Price £
Density determination kit for Discovery and AP	00223015	386
Anti theft device for AP	00223150	93
In use display cover for Discovery	12103498	14
Vinyl dust cover for AP	00223147	49

