



Analytical



Precision

## STANDARD FEATURES

- Easy-to-clean analytical draft shield
- Up-front level indicator
- Selectable environment settings
- Flexibility of available options
- Removable doors for easy cleaning and access
- Up-front level bubble for easy reference
- Selectable environmental settings
- Integral underweigh hook
- Standard security bracket
- Standard RS-232C
- Security menu lock
- Multiple application modes and units of measure

## APPROVALS



## SPECIFICATIONS

	PA64 <sup>^</sup>	PA114 <sup>^</sup>	PA214 <sup>^</sup>	PA153	PA313	PA512	PA1502	PA3102	PA4101
Part#	102788	102789	102790	103509	103510	103511	103512	103513	103514
List Price	Consult	Consult	Consult	Consult	Consult	Consult	Consult	Consult	Consult
Capacity	65 g	110 g	210 g	150 g	310 g	510 g	1510 g	3100 g	4100 g
Resolution	0.1 g	0.1 g	0.1 g	0.001 g	0.001 g	0.01 g	0.01 g	0.01 g	0.1 g
Weighing Modes	Milligram, Gram, Carat, Ounce, Troy Ounce, Grain, Pennyweight, Momme, Taels, tical, tola, baht, mesghal, Newton								
Operating Modes	Weighing, Parts Counting, Percent								
Repeatability	0.1			1		10		100	
Linearity	0.2 mg		0.3 mg	0.002 mg			0.02 mg		0.1 mg
Stabilization Time	Three seconds								
Operating Temperature	14° to 104°F (10° to 40°C)								
Pan size	Ø 3.54 in (90 mm)			Ø 4.72 in (120 mm)			Ø 7.1 in (180 mm)		
Dimensions	-	-	-	7.7 x 11.3 x 12.6 in (19.6 x 28.7 x 32 cm)					
Weight (Approx.)	15.2 lb (6.9 kg)								
Calibration Weight	-	-	-	100/150 g	200/300 g	200/500 g	1000/1500 g	2000/3000 g	2000/4000 g
Power	120V AC adapter (220-240AC adapter by special order) , 50/60 Hz								
Warranty	Two-year limited warranty								

<sup>^</sup>Weighing Chamber

**Pioneer™ (cont.)** Analytical/Precision Balances**PART NUMBER/PRICE**

PART #	MODEL #	DESCRIPTION	PRICE
102788	PA64	65 g x 0.1 mg	Consult
102789	PA114	110 g x 0.1 mg	Consult
102790	PA214	210 g x 0.1 mg	Consult
103509	PA153	150 g x 0.001 g	Consult
103510	PA313	310 g x 0.001 g	Consult
103511	PA512	510 g x 0.01 g	Consult
103512	PA1502	1510 g x 0.01 g	Consult
103513	PA3102	3100 g x 0.01 g	Consult
103514	PA4101	4100 g x 0.1 g	Consult

**OPTIONS/ACCESSORIES**

PART #	MODEL #	DESCRIPTION	PRICE
104767	80252042	Compact impact printer, 42 column	Consult
67413	SW12W	TAL software WinWedge®	Consult
104770	80251932	Paper for printer	Consult
104771	80251933	Ribbon for printer	Consult
71960	80500571	RS-232 cable, printer to Pioneer	Consult
70406	80500525	RS-232 cable, PC 9 pin to Pioneer	Consult
77712	80500524	RS232 cable, PC 25 pin to Pioneer	Consult
102798	80850045	Density determination kit for Pioneer analytical balances (0.1 mg and 1 mg)	Consult
35263	76288-01	Security device for Pioneer	Consult
102799	128-00	Forceps, 2.75 in (70 mm)	Consult
102800	129-00	Forceps, 3.5 in (89 mm)	Consult
33455	5076-00	Aluminum scoop, 1.5 in x 2 in (3.8 cm x 5.1 cm), weight 4 g	Consult
33456	5077-00	Gold scoop, 2.25 in x 3 in (5.7 cm x 7.6 cm), weight 10 g	Consult
33454	4590-30	Black scoop, aluminum 4 in x 3.5 in (10.2 cm x 8.9 cm), weight 24 g	Consult
33451	3369-10	Polypropylene Maxi-Scoop™ 10 in dia. x 2.5 in deep (25.4 cm dia. x 6.4 cm deep) with pouring spout, weight 145 g	Consult
102801	71147059	Plastic scoop, 1.3 in x 1.5 in x 0.4 in (33 mm x 38 mm x 10 mm) deep with pouring spout, weight 1.2 g	Consult
97250	80250400	Stainless steel scoop 11.9 in x 7.38 in x 1.69 in	Consult
100292	80250954	Stainless steel scoop 17.2 in x 11 in x 3.4 in (44 cm x 28 cm x 8.5 cm)	Consult