

Ohaus® Pioneer™ Precision Balances



Standard Features

- Easy to clean analytical draftshield
- Upfront level indicator
- Selectable environment settings
- Flexibility of available options
- Removable doors for easy cleaning and access
- Upfront level bubble for easy reference
- Selectable environmental settings
- Integral weigh below hook
- Standard security bracket
- Standard RS-232C
- Security menu lock
- Multiple application models and units of measure

Ohaus

Approvals



Specifications

CAPACITY:

PA153: 150 g
 PA313: 310 g
 PA512: 510 g
 PA1502: 1510 g
 PA3102: 3100 g
 PA4101: 4100 g

READABILITY:

PA153, PA313: 0.001 g
 PA512, PA1502, PA3102: 0.01 g
 PA4101: 0.1 g

APPLICATION MODES:

Weighing, parts counting, percent

WEIGHING UNITS:

PA153, PA313: mg, g, ct, oz, dwt, tical, tola, mommes, baht, grain, mesghal, Newton, ozt, teals
 PA512: g, lb, ct, oz, dwt, tical, tola, mommes, baht, grain, mesghal, Newton, ozt, teals
 PA1502, PA3102, PA4101: g, kg, lb, ct, oz, dwt, tical, tola, mommes, baht, grain, mesghal, Newton, ozt, teals

PLATFORM SIZE:

PA153, PA313: 4.72 in dia.
 PA512, PA1502, PA3102, PA4101: 7.1 in dia.

CAL WEIGHT-SPAN:

PA153: 100, 150 g
 PA313: 200, 300 g
 PA512: 200, 500 g
 PA1502: 1000, 1500 g
 PA3102: 2, 3 kg
 PA4101: 2, 4 kg

CAL WEIGHT-LINEARITY:

PA153: 100/150 g
 PA313: 150/300 g
 PA512: 200/500 g
 PA1502: 1000/1500 g
 PA3102: 1.5/3 kg
 PA4101: 2/4 kg

REPEATABILITY:

PA153, PA313: 1 mg
 PA512, PA1502, PA3102: 10 mg
 PA4101: 100 mg

LINEARITY:

PA153, PA313: 2 mg
 PA512, PA1502, PA3102: 20 mg
 PA4101: 100 mg

TARING TIME:

1 second

STABILIZATION TIME:

3 seconds

GROSS WEIGHT:

PA153, PA313: 10.0 lb/4.5 kg
 PA512, PA1502, PA3102, PA4101: 7.3 lb/3.3 kg

SHIPPING WEIGHT:

PA153, PA313: 15.2 lb/6.9 kg
 PA512, PA1502, PA3102, PA4101: 11.8 lb/ 5.4 kg

BALANCE DIMENSIONS:

PA153, PA313: 7.7 x 11.3 x 12.6 in/
 19.6 x 28.7 x 32 cm
 PA512, PA1502, PA3102, PA4101: 7.7 x 3.6 x 12.6 in/19.6 x 9.2 x 32 cm

DRAFTSHIELD:

PA153, PA313: yes

OPERATING CONDITIONS:

14° F/-10°C to 104°F/40°C at 10% to 80% relative humidity, non-condensing, up to 4000m above sea level

STORAGE TEMP:

-40°F/-40°C to 158°F/70°C at 10% to 80% relative humidity, non-condensing

Pioneer™ Analytical Balances

Ohaus

PART #	OHAUS MODEL #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
103509	PA153	150 g x 0.001 g	15.2 lb/6.9 kg	\$990.00
103510	PA313	310 g x 0.001 g	15.2 lb/6.9 kg	1,120.00
103511	PA512	510 g x 0.01 g	15.2 lb/6.9 kg	830.00
103512	PA1502	1510 g x 0.01 g	15.2 lb/6.9 kg	990.00
103513	PA3102	3100 g x 0.01 g	15.2 lb/6.9 kg	1,120.00
103514	PA4101	4100 g x 0.1 g	15.2 lb/6.9 kg	730.00
Options/Accessories				
71904	SF42	Compact impact printer, 42 column		361.00
67413	SW12W	TAL software WinWedge		255.00
71957	12101511	Paper for SF42 printer (5 pack)		35.00
71958	12101512	Ribbon for SF42 printer		22.00
71960	80500571	RS-232 cable, SF42 Printer to Pioneer		88.00
70406	80500525	RS-232 cable, PC 9 Pin to Pioneer		88.00
77712	80500524	RS-232 cable, PC 25 Pin to Pioneer		88.00
102798	80850045	Density determination kit for pioneer analytical balances (0.1 mg and 1 mg)		226.00
35263	76288-01	Security device for pioneer		42.00
102799	128-00	Forceps, 2.75 in (70 mm)		8.00
102800	129-00	Forceps, 3.5 in (89 mm)		8.00
33455	5076-00	Aluminum scoop, 1.5 in x 2 in (3.8 cm x 5.1 cm), weight 4 g		11.00
33456	5077-00	Gold scoop, 2.25 in x 3 in (5.7 cm x 7.6 cm), weight 10 g		10.00
33454	4590-30	Black scoop, aluminum 4 in x 3.5 in (10.2 cm x 8.9 cm), weight 24 g		13.00
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		16.00
102801	71147059	Plastic scoop, 1.3 in x 1.5 in x 0.4 in deep with pouring spout, weight 1.2 g		7.00
97250	80250400	Stainless steel scoop 11.9 x 7.38 x 1.69 in		31.00
100292	80250400	Stainless steel scoop 17.2 x 11 x 3.4 in (44 x 28 x 8.5 cm)		40.00

WinWedge is a registered trademark of TAL Software.

Please refer to our High Precision Industrial Weighing Section in this catalog for exciting new choices and capabilities.

And don't forget to reference our full color Precision Catalog for additional solutions such as test weights, calibration services, static solutions, liquid handling, electrochemistry and more!