



PIONEER® PJX

Carat and Gold Jewelry Balances



Modern Compact Jewelry Balances for Accurate Weighing of Precious Metals and Stones

The PJX Series offers a range of Jewelry Balances for weighing precious metals and stones in a variety of capacities and readabilities. The PJX Series is OIML-approved and ideal for legal-for-trade applications. The PJX features an auxiliary display that can be easily connected to provide simultaneous viewing of results for both trader and customer. Select models come with a built-in internal adjustment system.

Unique Features Include:

- The PJX features a bright backlit LCD which displays results clearly. An auxiliary display can also be connected to allow both customer and trader to view weighing results simultaneously.
- The PJX Series comes in a modern compact design, which is designed with saving space in mind. Additionally, keeping the draftshield lowered will help to get more stable weighing results.
- Select PJX models come with a built-in internal adjustment system, which calibrates the balance automatically, ensuring weighing accuracy at all times.
- The PJX features four weighing modes, including the Density Determination mode, which allows the user to test the density of unknown materials, and determine the type of material and its cost accurately.

PIONEER® PJX *Carat Jewelry Balances*

Durably constructed of cast metal lower housing, metal sub-pan and stainless steel weighing pan for long-term use.

Large viewing angle with bright backlit LCD display.



An auxiliary display can be easily connected to provide simultaneous viewing of results for both trader and customer.



Connectivity options include standard RS232 to connect a printer, and Mini DIN port to connect to an auxiliary display.



Four quick keys enable easy operation of weighing modes, including the Density Determination mode.

Carat Balances					
InCal™ Model	PJX203	PJX803	PJX1203	PJX1603	PJX2503
ExCal Model	PJX203/E	PJX803/E	PJX1203/E	PJX1603/E	PJX2503/E
Capacity (ct)	200	800	1200	1600	2500
Readability (ct)		0.001			0.005
Capacity (g)	40	160	240	320	500
Readability (g)		0.0001			0.001
Repeatability (sd.), ≤5% of Full Load (g)		0.00008			0.0008
Repeatability (sd.), 5% of Full Load to Full Range (g)		0.0001			0.001
Linearity Deviation, Typical (g)		±0.00006			±0.0006
Linearity Deviation (g)		±0.0002			±0.002
Stabilization Time (s)		3			2
Sensitivity Temperature Drift (PPM/K)		± 3			
Units	Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Grain, Taiwan Tael, Custom				
Applications	Basic Weighing, Parts Counting, Percent Weighing, Density Determination				
Pan Size (diameter)	90 mm			120 mm	
Power Supply	Power Input: 100–240V ~ 200mA 50–60Hz 12–18VA Power Output: 12 VDC 0.5A				
Assembled Dimensions (W × D × H)	209 × 321 × 274 mm				
Communication	RS232 and Mini DIN				
Operating Temperature Range	Operating conditions for ordinary lab application: +10 to 30°C (operability guaranteed between +5 and 40°C)				
Net Weight	4.5 kg				
Shipping Weight	7 kg				
Shipping Dimensions (W × D × H)	507 × 387 × 531 mm				

PIONEER® PJJ Gold Jewelry Balances

Large viewing angle with bright backlit LCD display.



An auxiliary display can be easily connected to provide simultaneous viewing of results for both trader and customer.



Connectivity options include standard RS232 to connect a printer, and Mini DIN port to connect to an auxiliary display.

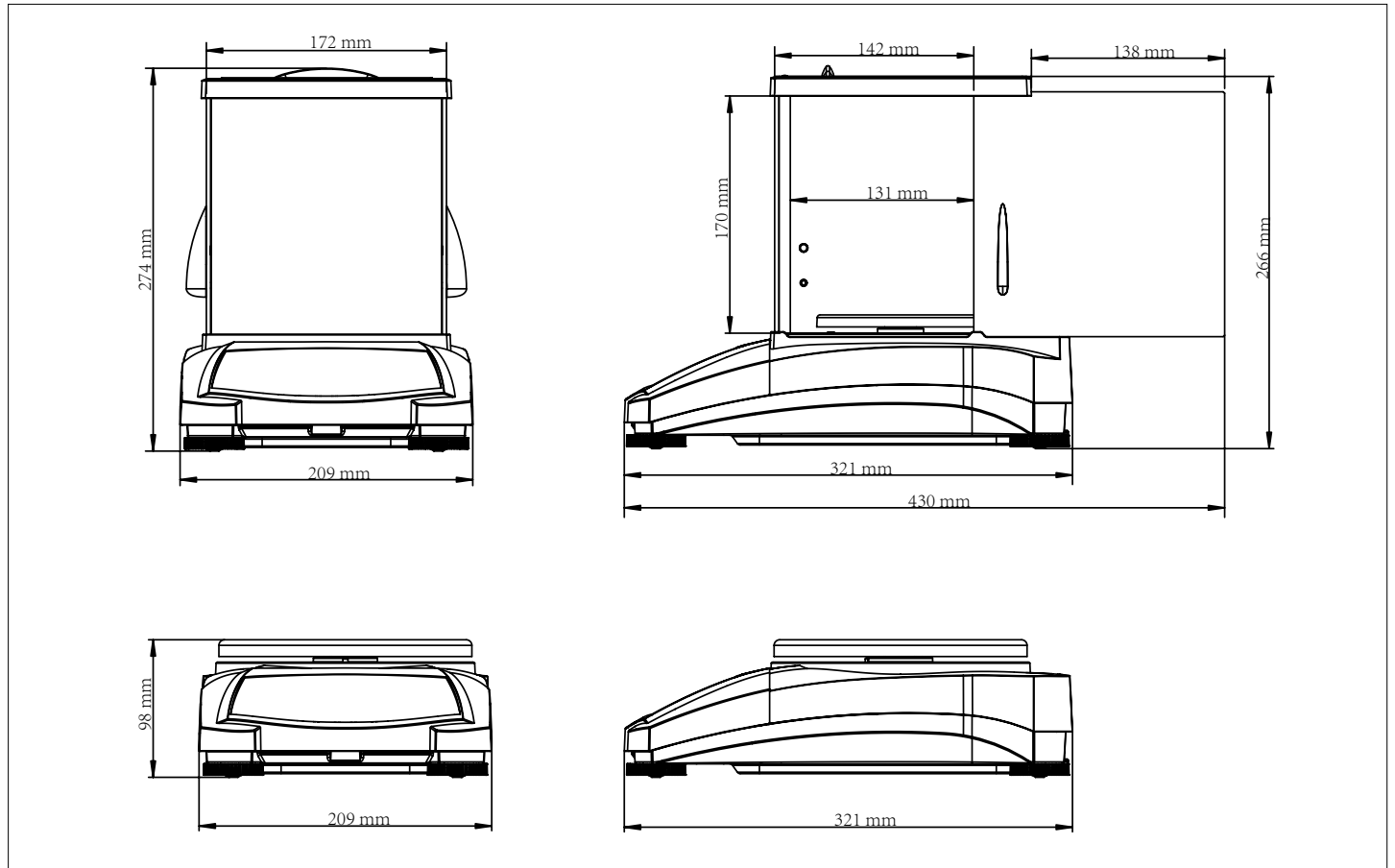
Four quick keys enable easy operation of weighing modes, including the Density Determination mode.



Gold Balances											
InCal™ Model	PJX822	PJX1602	PJX2202	PJX3202	PJX4202	PJX5202	PJX6202	PJX2201	PJX4201	PJX6201	
ExCal Model	PJX822/E	PJX1602/E	PJX2202/E	PJX3202/E	PJX4202/E	PJX5202/E	PJX6202/E	PJX2201/E	PJX4201/E	PJX6201/E	
Capacity (g)	820	1600	2200	3200	4200	5200	6200	2200	4200	6200	
Readability (g)	0.01							0.1			
Repeatability (sd.), ≤5% of Full Load (g)	0.008							0.08			
Repeatability (sd.), 5% of Full Load to Full Range (g)	0.01							0.1			
Linearity Deviation, Typical (g)	±0.006							±0.06			
Linearity Deviation (g)	±0.02							±0.2			
Stabilization Time (s)	1										
Sensitivity Temperature Drift (PPM/K)	± 6			± 3				± 6	± 3	± 10	
Units	Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Grain, Taiwan Tael, Custom										
Applications	Basic Weighing, Parts Counting, Percent Weighing, Density Determination										
Pan Size (diameter)	180 mm										
Power Supply	Power Input: 100–240V ~ 200mA 50–60Hz 12–18VA Power Output: 12 VDC 0.5A										
Assembled Dimensions (W × D × H)	209 × 321 × 98 mm										
Communication	RS232 and Mini DIN										
Operating Temperature Range	Operating conditions for ordinary lab application: +10 to 30°C (operability guaranteed between +5 and 40°C)										
Net Weight	3.5 kg										
Shipping Weight	5 kg										
Shipping Dimensions (W × D × H)	550 × 385 × 291 mm										

PIONEER® PJX *Carat and Gold Jewelry Balances*

Dimensions



Other Standard Features and Equipment

Metal base, plastic top housing, removable stainless steel pan, removable glass draftshield or side doors, integrated weigh-below-hook, security bracket, calibration lock and in-use cover, user-selectable environmental filters and brightness settings, auto-tare, auto-dim, user-selectable span calibration points, software lockout and reset menu, user-selectable communication settings and data print options, user-definable project and user IDs, software overload/underload indicator, stability indicator

Compliance

- **Product Safety:** IEC/EN 61010-1; CAN/CSA C22.2 61010-1; UL 61010-1
- **Electromagnetic Compatibility:** IEC/EN 61326-1 Class B, Basic Environments; FCC Part 15 Class A; Canada ICES-003 Class A
- **Compliance Marks:** CE; CSA; RCM

Accessories

Auxiliary Display	30472063
Density Kit	80253384
Sinker Glass for Density Determination	83034024
Security Device	80850043
RS232 Cable (9-pin)	80500525
Dust Cover	30093334
In-use Cover	30372546
Printer SF40A	30045641
ION-100A	30130303

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