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 PAD7 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.

Standard Features Include:

- **Backlit LCD and Auxiliary Display Available for Clear Viewing of Weighing Results**
  The PJX features a bright backlit LCD which displays results clearly. An auxiliary display PAD7 can also be connected to allow both customer and trader to view weighing results simultaneously.

- **Compact Modern Design Fits Right on the Workspace**
  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.

- **Ideal for Legal-for-Trade Applications with OIML Approvals**
  Select PJX models come with a built-in internal adjustment system, which calibrates the balance automatically, ensuring weighing accuracy at all times.

- **Equipped with Density Determination Mode for Accurate Pricing**
  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 Series *Carat Jewelry Balances*

An auxiliary display PAD7 can be easily connected to provide simultaneous viewing of results for both trader and customer.

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.

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 (STDEV) (g)	0.0001			0.001	
Linearity (g)	0.0002			0.002	
Stabilization Time (s)	3				
Sensitivity Temperature Drift (PPM/K)	±3				
Units	Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy				
Applications	Basic Weighing, Parts Counting, Percent Weighing, Density Determination				
Pan Size	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	10 °C to 30 °C				
Net Weight	4.5 kg				
Shipping Weight	7 kg				
Shipping Dimensions (W × D × H)	507 × 387 × 531 mm				

Pioneer® PJX Series *Gold Jewelry Balances*

Large viewing angle with bright backlit LCD display.

An auxiliary display PAD7 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.
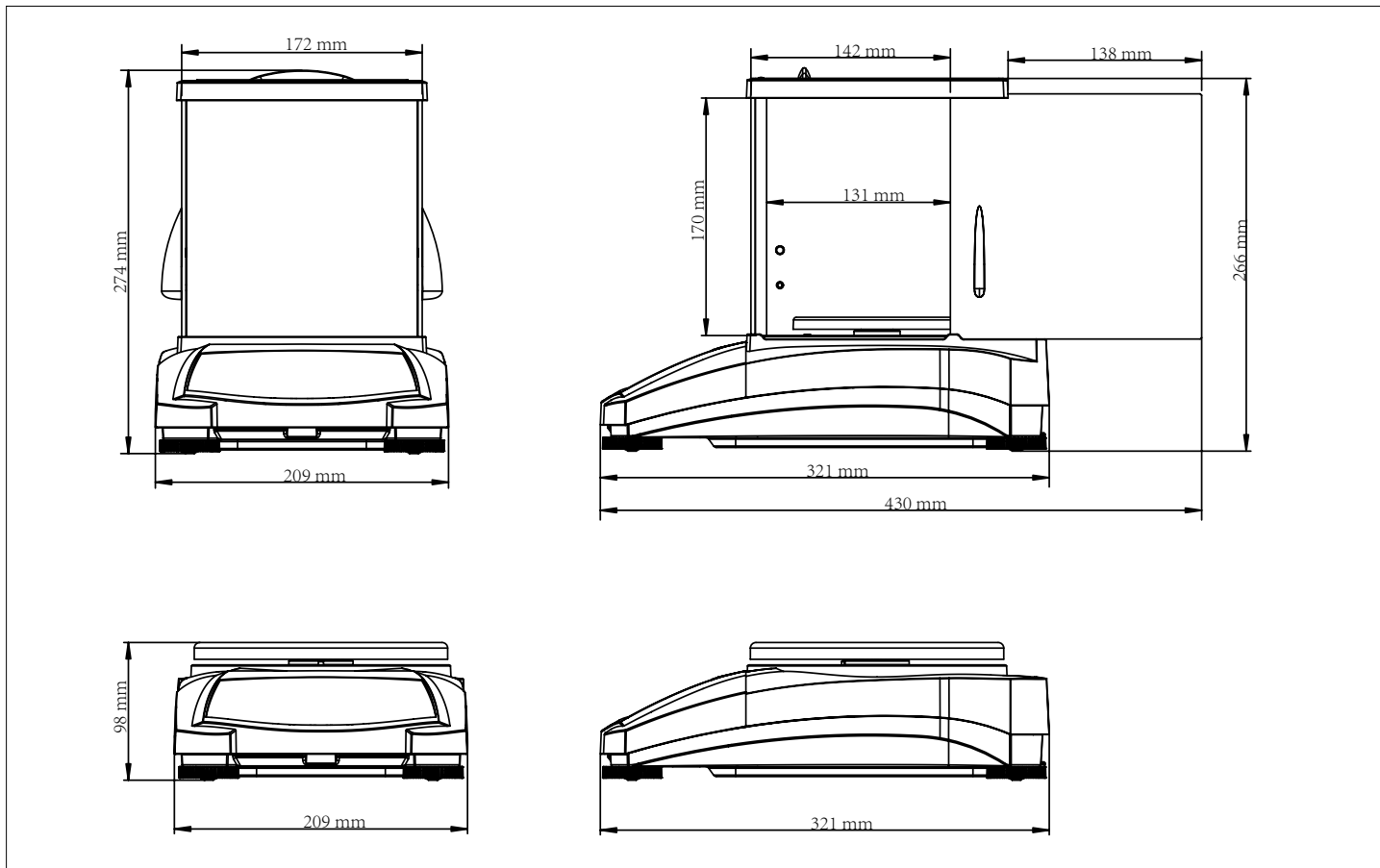
Gold Balances								
InCal™ Model	PJX822	PJX1602	PJX2202	PJX4202	PJX5202	PJX2201	PJX4201	PJX6201
ExCal Model	PJX822/E	PJX1602/E	PJX2202/E	PJX4202/E	PJX5202/E	PJX2201/E	PJX4201/E	PJX6201/E
Capacity (g)	820	1600	2200	4200	5200	2200	4200	6200
Readability (g)	0.01					0.1		
Repeatability (STDEV) (g)	0.01					0.1		
Linearity (g)	0.02					0.2		
Stabilization Time (s)	2					1		
Sensitivity Temperature Drift (PPM/K)	±6			±3		±6	±3	±10
Units	Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy							
Applications	Basic Weighing, Parts Counting, Percent Weighing, Density Determination							
Pan Size	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	10 ℃ to 30 ℃							
Net Weight	3.5 kg							
Shipping Weight	5 kg							
Shipping Dimensions (W × D × H)	550 × 385 × 291 mm							

Pioneer® PJX Series *Carat and Gold Jewelry Balances*

Dimensions

172 mm
274 mm
209 mm

142 mm
138 mm
170 mm
131 mm
266 mm
321 mm
430 mm

98 mm
209 mm

321 mm

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 PAD7	80251396
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
Mini DIN convert to RS232	30268982
ION-100A	30130303