

Adventurer[®] Analytical and Precision Balances

Model	AX124	AX224	AX324	AX223	AX423	AX523	—	AX622	—	AX1502	AX2202	AX4202	AX5202	—	AX4201	AX8201		
External Calibration	AX124/E	AX224/E	—	AX223/E	AX423/E	AX523/E	AX422/E	—	AX822/E	AX1502/E	AX2202/E	AX4202/E	—	AX2201/E	AX4201/E	AX8201/E		
Certified Models	—	AX224N	—	AX223N/E	AX423N AX423N/E	AX523N/E	—	—	—	AX1502N/E	AX2202N/E	AX4202N/E	—	—	—	AX8201N/E		
Capacity (g)	120	220	320	220	420	520	420	620	820	1,520	2,200	4,200	5,200	2,200	4,200	8,200		
Readability d (g)	0.0001			0.001			0.01						0.1					
Verification Interval* e (g)	—	0.001	—	0.01			0.1						—	—	—	1		
Class*	—	I	—	II			II						—	—	—	II		
Repeatability std (g)	±0.0001			±0.001			±0.01						±0.1					
Linearity (g)	±0.0002			±0.002			±0.02						±0.2					
Stabilization Time (sec)	≤3			≤2			≤1.5						≤1.5					
Sensitivity Drift (ppm/°C)	1.5			3			3						1.9	9				
Weighing Units	gram, milligram, mesgal, momme, Newton, ounce, pennyweight, Baht, carat, grain, pound (only for 0.1g and 0.01g models), Tael (Hong Kong), Tael (Singapore), Tael (Taiwan), tical, tola, troy ounce, custom (1)																	
Weighing Units, Certified Models	—	ct, grain, g, mg, oz, ozt, dwt	—	—	ct, grain, g, mg, oz, ozt, dwt	ct, grain, g, oz, ozt, dwt, lb, kg						—	—	—	ct, grain, g, oz, ozt, dwt, lb, kg			
Weighing Applications	Weighing, Parts Counting, Percent Weighing, Check Weighing, Dynamic Weighing, Formulation, Density Determination, Totalization, Display Hold																	
Pan Size	Ø 3.5 in / 90 mm			Ø 5.1 in / 130 mm			6.9 x 7.7 in / 175 x 195 mm						6.9 x 7.7 in / 175 x 195 mm					
Calibration	All models feature external calibration. Models feature AutoCal™ internal calibration, except for AX.../E models																	
Tare Range	To capacity by subtraction																	
Power Requirements	AC Adapter Input: 100-240 VAC 0.3A 50-60 Hz AC Adapter Output: 12 VDC 0.84A																	
Display Type	Full-Color Touchscreen WQVGA Graphic LCD																	
Display Size	4.3 in / 109 mm (diagonal)																	
Base Housing (WxHxD)	13.93 x 13.39 x 9.05 in / 354 x 340 x 230 mm						13.93 x 3.94 x 9.05 in / 354 x 100 x 230 mm											
Communication	RS232, USB Device, USB Host																	
Temperature Range	50°F to 86°F/10°C to 30°C																	
Humidity Range	Maximum relative humidity 80 % for temperatures up to 86°F/30°C																	
Storage Conditions	14°F/-10°C to 140°F/60°C at 10% to 90% relative humidity, non-condensing																	
Shipping Dimensions	20.0 x 15.4 x 20.9 in / 507 x 387 x 531 mm						22.0 x 15.5 x 11.9 in / 557 x 392 x 301 mm											
Net Weight	11.3 lb / 5.1 kg			12.8 lb / 5.8 kg			10.2 lb / 4.6 kg						10.2 lb / 4.6 kg		8.4 lb / 3.8 kg			
Shipping Weight	17.2 lb / 7.8 kg			18.8 lb / 8.5 kg			14.4 lb / 6.5 kg						14.4 lb / 6.5 kg		12.6 lb / 5.7 kg			