

5. TECHNICAL DATA

5.2 Specifications

Item Number	AV53*	AV53C**	AV64 AV64C**	AV114 AV114C**	AV264 AV264C**	AV213 AV213C**	AV313 AV313C**	AV413 AV413C**	AV513C**
Capacity	51	51	65	110	260	210	310	410	510
Readability	0.001	0.001	0.0001			0.0001			
Repeatability (Std. dev.) (g)	0.001	0.001	0.0001			0.0001			
Linearity (g)	±0.002	±0.002	±0.0002		±0.0002	±0.002			±0.003
Weighing Units	† Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Grain, Newton, Hong Kong Tael, Singapore Tael, Taiwan Tael, Momme, Tical, Baht, Mesghal, Tola, Custom								
Application Modes	Weighing, Parts Counting, Percent Weighing, Check Weighing, Animal Weighing, Display Hold, Totalize								
Tare Range	To Capacity by Subtraction								
Stabilization Time(s)	2.5		3						
Draft Shield Height Over Platform	2.75 / 7	4.5 / 11.5	8.6 / 22			4.5 / 11.5			
Power Requirements	AC Adapter (included)								
Calibration	Digital with External Weight								
Display Type	2-Line LCD w/Backlight								
Display Size (in/cm)	4 x 1 / 10 x 2.5								
Platform Size (in/cm)	3.9 / 10	3.5 / 9 dia.				4.7 / 12 dia.			
Net Weight (lb/kg)	3.1 / 1.4	7.3 / 3.3	8.7 / 4.0			7.3 / 3.3			
Net Weight (with InCal) (lb/kg)	--	8.2 / 3.7	9.6 / 4.4			8.2 / 3.7			

* Also operates on 4 AA batteries (not included)

** Internal calibration option available on "C" models

† Unit availability depends on model

5. TECHNICAL DATA

5.2 Specifications (cont)

Item Number	AV212*	AV412*	AV812*	AV212C**	AV412C**	AV812C**	AV2102 AV2102C**
Capacity	210	410	810	210	410	810	2100
Readability	0.01						
Repeatability (Std. dev.) (g)	0.01						
Linearity (g)	±0.02						
Weighing Units	† Milligram, Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Grain, Newton, Hong Kong Tael, Singapore Tael, Taiwan Tael, Momme, Tical, Baht, Mesghal, Tola, Custom						
Application Modes	Weighing, Parts Counting, Percent Weighing, Check Weighing, Animal Weighing, Display Hold, Totalize						
Tare Range	To Capacity by Subtraction						
Stabilization Time(s)	2						3
Power Requirements	AC Adapter (included)						
Calibration	Digital with External Weight						
Display Type	2-Line LCD w/Backlight						
Display Size (in/cm)	4 x 1 / 10 x 2.5						
Platform Size (in/cm)	4.7 / 12 dia.	5.8 x 6.3 / 14.9 x 16.2		4.7 / 12 dia.	6.6 x 7.1 / 16.8 x 18***		
Net Weight (lb/kg)	2.6 / 1.2	3.3 / 1.5		--			6.1 / 2.8
Net Weight (with InCal) (lb/kg)	--			5.7 / 2.6	7.5 / 3.4		6.9 / 3.2

* Also operates on 4 AA batteries (not included)

** Internal calibration option available on "C" models

*** Non-InCal without draft ring

† Unit availability depends on model

5. TECHNICAL DATA

5.2 Specifications (cont)

Item Number	AV3102 AV3102C**	AV4102 AV4102C**	AV2101*	AV4101*	AV8101*	AV2101C*	AV4101C*	AV8101C*
Capacity	3100	4100	2100	4100	8100	2100	4100	8100
Readability	0.01		0.1					
Repeatability (Std. dev.) (g)	0.01		0.1					
Linearity (g)	±0.02		±0.2					
Weighing Units	† Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Grain, Newton, Hong Kong Tael, Singapore Tael, Taiwan Tael, Momme, Tical, Baht, Mesghal, Tola, Custom							
Application Modes	Weighing, Parts Counting, Percent Weighing, Check Weighing, Animal Weighing, Display Hold, Totalize							
Tare Range	To Capacity by Subtraction							
Stabilization Time(s)	3		2					
Power Requirements	AC Adapter (included)							
Calibration	Digital with External Weight					Internal Calibration		
Display Type	2-Line LCD w/Backlight							
Display Size (in/cm)	4 x 1 / 10 x 2.5							
Platform Size (in/cm)	6.6 x 7.1 / 16.8 x 18 non InCal without draft ring		5.8 x 6.3 / 14.9 x 16.2			6.6 x 7.1 / 16.8 x 18		
Net Weight (lb/kg)	6.1 / 2.8		3.3 / 1.5			--		
Net Weight (with InCal) (lb/kg)	6.9 / 3.2		--			7.5 / 3.4		

* Also operates on 4 AA batteries (not included)

**Internal calibration option available on "C" models

† Unit availability depends on model

5.3 Capacity x Readability

Unit	AV53 AV53C	AV64 AV64C	AV114 AV114C	AV264 AV264C	AV213 AV213C
baht	3.3553 x 0.0001	4.27632 x 0.00001	7.23684 x 0.00001	17.10526 x 0.00001	13.8158 x 0.0001
carat	255.000 x 0.005	325.0000 x 0.0005	550.0000 x 0.0005	999.995 / 1300.000 x 0.0005 / 0.001	1050.000 x 0.005
grain	787.06 x 0.02	1003.104 x 0.002	1697.570 x 0.002	4012.414 x 0.002	3240.80 x 0.02
gram	51.000 x 0.001	65.0000 x 0.0001	110.0000 x 0.0001	260.0000 x 0.001	210.000 x 0.001
kilogram	0.051000 x 0.000001				0.210000 x 0.000001
mesghal	11.0670 x 0.0005	14.10495 x 0.00005	23.86990 x 0.00005	56.41975 x 0.00005	45.5700 x 0.0005
milligram	51000 x 1	65000 x 0.1	110000 x 0.1	260000 x 0.1	210000 x 1
momme	13.6000 x 0.0005	17.33335 x 0.00005	29.33335 x 0.00005	69.33335 x 0.00005	56.0000 x 0.0005
Newton	0.50014 x 0.00001	0.637432 x 0.000001	1.078732 x 0.000001	2.549729 x 0.000001	2.05940 x 0.00001
ounce	1.79895 x 0.00005	2.292805 x 0.000005	3.880135 x 0.000005	9.171230 x 0.000005	7.40755 x 0.00005
ounce troy	1.63970 x 0.00005	2.089800 x 0.000005	3.536585 x 0.000005	8.359185 x 0.000005	6.75165 x 0.00005
pennyweight	32.794 x 0.001	41.7960 x 0.0001	70.316 x 0.0001	167.1839 x 0.0001	135.033 x 0.001
pound	0.112435 x 0.000005				0.462970 x 0.000005
tael (Hong Kong)	1.36260 x 0.00005	1.736620 x 0.000005	2.938900 x 0.000005	6.946485 x 0.000005	5.61060 x 0.00005
tael (Singapore)	1.34925 x 0.00005	1.719605 x 0.000005	2.910100 x 0.000005	6.878420 x 0.000005	5.55555 x 0.00005
tael (Taiwan)	1.36000 x 0.00005	1.733335 x 0.000005	2.933335 x 0.000005	6.933335 x 0.000005	5.60000 x 0.00005
tical	3.1232 x 0.0001	3.98057 x 0.00001	6.73635 x 0.00001	15.92227 x 0.00001	12.8603 x 0.0001
tola	4.372 x 0.0001	5.57267 x 0.00001	9.43067 x 0.00001	22.29067 x 0.00001	18.0040 x 0.0001

5.3 Capacity x Readability (cont.)

Unit	AV313 AV313C	AV413 AV413C	AV513 AV513C	AV212 AV212C	AV412 AV412C	AV812 AV812C
baht	20.3947 x 0.0001	26.9737 x 0.0001	33.5526 x 0.001	13.816 x 0.001	26.974 x 0.001	53.289 x 0.001
carat	1550.000 x 0.005	2050.000 x 0.005	2550.000 x 0.005	1050.00 x 0.05	2050.00 x 0.05	4050.00 x 0.05
grain	4784.03 x 0.02	6327.28 x 0.02	7870.50 x 0.02	3240.8 x 0.2	6327.4 x 0.2	12500.2 x 0.2
gram	310.00 x 0.001	410.00 x 0.001	510.00 x 0.001	210.00 x 0.01	410.00 x 0.01	810.00 x 0.01
kilogram	0.310000 x 0.000001	0.41000 x 0.000001	0.51000 x 0.000001	0.21000 x 0.00001	0.41000 x 0.00001	0.81000 x 0.00001
mesghal	67.2699 x 0.0005	109.3335 x 0.0005	110.6695 x 0.0005	45.570 x 0.005	88.970 x 0.005	175.770 x 0.005
milligram	31000 x 1	41000 x 1	51000 x 1			
momme	82.6667 x 0.0005	109.3335 x 0.0005	136.000 x 0.0005	56.000 x 0.005	109.335 x 0.005	216.000 x 0.005
Newton	3.04006 x 0.00001	4.02073 x 0.00001	5.00139 x 0.00001	2.0594 x 0.0001	4.0207 x 0.0001	7.9434 x 0.0001
ounce	10.93495 x 0.00005	14.46230 x 0.0001	17.98970 x 0.0001	7.4075 x 0.0005	14.4625 x 0.0005	28.5720 x 0.0005
ounce troy	9.96672 x 0.00005	13.18180 x 0.00005	16.39690 x 0.00005	6.7515 x 0.0005	13.1820 x 0.0005	26.0420 x 0.0005
pennyweight	199.335 x 0.001	263.636 x 0.001	327.938 x 0.001	135.03 x 0.01	263.64 x 0.01	520.84 x 0.01
pound	0.683432 x 0.000005	0.903895 x 0.000005	1.124360 x 0.000005	0.46295 x 0.00005	0.90390 x 0.00005	1.78575 x 0.00005
tael (Hong Kong)	8.28233 x 0.00005	10.95405 x 0.00005	13.62580 x 0.00005	5.6105 x 0.0005	10.9540 x 0.0005	21.6410 x 0.0005
tael (Singapore)	8.20110 x 0.00005	10.84675 x 0.00005	13.49230 x 0.00005	5.5555 x 0.0005	10.8465 x 0.0005	21.4290 x 0.0005
tael (Taiwan)	8.26667 x 0.00005	10.93335 x 0.00005	13.60000 x 0.00005	5.6000 x 0.0005	10.9335 x 0.0005	21.6000 x 0.0005
tical	18.9842 x 0.0001	25.1082 x 0.0001	31.2321 x 0.0001	12.860 x 0.001	25.108 x 0.001	49.604 x 0.001
tola	26.5773 x 0.0001	35.1507 x 0.0001	43.7240 x 0.0001	18.0004 x 0.001	69.444 x 0.001	69.444 x 0.001

5.3 Capacity x Readability (cont.)

Unit	AV2102 AV2102C	AV3102 AV3102C	AV4102 AV4102C	AV2101 AV2101C	AV4101 AV4101C	AV8101 AV8101C
baht	138.158 x 0.001	203.947 x 0.001	269.737 x 0.001	138.16 x 0.01	269.74 x 0.01	532.89 x 0.01
carat	105.000 x 0.05	15500.00 x 0.05	20500.00 x 0.05	10500.0 x 0.5	20500.0 x 0.5	40500.0 x 0.5
grain	32408.0 x 0.2	47840.3 x 0.2	63272.8 x 0.2	32408 x 2	63274 x 2	125002 x 2
gram	2100.00 x 0.01	3100.00 x 0.01	4100.00 x 0.01	2100.0 x 0.1	4100.0 x 0.1	8100.0 x 0.1
kilogram	2.10000 x 0.00001	3.10000 x 0.00001	4.10000 x 0.00001	2.1000 x 0.0001	4.1000 x 0.0001	8.1000 x 0.0001
mesghal	455.700 x 0.005	672.699 x 0.005	899.695 x 0.005	455.70 x 0.05	899.70 x 0.05	1757.70 x 0.05
milligram						
momme	560.000 x 0.005	826.667 x 0.005	1093.335 x 0.005	560.00 x 0.05	1093.35 x 0.05	2160.00 x 0.05
Newton	20.5940 x 0.0001	30.4006 x 0.0001	40.2073 x 0.0001	20.594 x 0.001	40.20 x 0.001	79.434 x 0.001
ounce	74.0755 x 0.0005	109.3495 x 0.0005	144.6230 x 0.0005	74.075 x 0.005	144.625 x 0.005	285.720 x 0.005
ounce troy	67.5165 x 0.0005	99.6672 x 0.0005	131.8180 x 0.0005	67.515 x 0.005	131.820 x 0.005	260.420 x 0.005
pennyweight	1350.33 x 0.01	1993.35 x 0.01	2636.36 x 0.01	1350 x 0.1	2636 x 0.1	5208.4 x 0.1
pound	4.62970 x 0.00005	6.83432 x 0.00005	9.03895 x 0.00005	4.6295 x 0.0005	9.0390 x 0.0005	17.8575 x 0.0005
tael (Hong Kong)	56.1060 x 0.0005	82.8233 x 0.0005	109.5405 x 0.0005	56.105 x 0.005	109.540 x 0.005	216.410 x 0.005
tael (Singapore)	55.5565 x 0.0005	82.0120 x 0.0005	108.4675 x 0.0005	55.555 x 0.005	108.465 x 0.005	214.290 x 0.005
tael (Taiwan)	56.000 x 0.0005	82.6667 x 0.0005	109.3335 x 0.0005	56.00 x 0.005	109.335 x 0.005	216.000 x 0.005
tical	128.603 x 0.001	189.842 x 0.001	251.082 x 0.001	128.60 x 0.01	251.0 x 0.01	496.04 x 0.01
tola	180.040 x 0.001	265.773 x 0.001	351.507 x 0.001	180.04 x 0.01	351.51 x 0.01	694.4 x 0.01