

20.2 Model-Specific Data

20.2.1 Balances with Readability of 0.1 mg, S Platform with Draft Shield

Technical Data

Model	MS104S	M204S	MS304S
Maximum load	120 g	220 g	320 g
Maximum load, fine range	–	–	–
Readability	0.1 mg	0.1 mg	0.1 mg
Readability, fine range	–	–	–
Taring range	0...120 g	0...220 g	0...320 g
Repeatability (sd)	0.1 mg	0.1 mg	0.1 mg
Repeatability (sd), fine range	–	–	–
Linearity	0.2 mg	0.2 mg	0.3 mg
Linearity, fine range	–	–	–
Sensitivity temperature drift (10...30°C)	1.5 ppm/°C	1.5 ppm/°C	1.5 ppm/°C
Internal adjustment	yes, FACT	yes, FACT	yes, FACT
Adjustment range with external weights	50...120 g	100...220 g	100...320 g
Weights for routine testing			
Large Weight/Class OIML/ASTM	100 g / F2/4	200 g / F2/4	200 g / F2/4
Small Weight/Class OIML/ASTM	5 g / E2/2	10 g / F1/3	10 g / F1/3
Minimum weight (acc. to USP)	0.3 g	0.3 g	0.3 g
Minimum weight (U=1%, k=2)	0.02 g	0.02 g	0.02 g
Minimum weight (OIML)	0.01 g	0.01 g	0.01 g
Settling time, typ.	2 s	2 s	3 s
Weighing technology	MonoBloc	MonoBloc	MonoBloc
Usable height of draft shield [mm]	237	237	237
Weighing pan dimensions (WxD) [mm]	Ø 90	Ø 90	Ø 90
Balance dimensions (WxDxH) [mm]	204x347x345	204x347x345	204x347x345
Net Weight [kg]	6.5	6.5	6.5

20.2.2 Balances with Readability of 1 mg, S Platform with Draft Shield

Technical Data

Model	MS303S	MS303SE	MS403S
Maximum load	320 g	320 g	420 g
Maximum load, fine range	–	–	–
Readability	0.001 g	0.001 g	0.001 g
Readability, fine range	–	–	–
Taring range	0...320 g	0...320 g	0...420 g
Repeatability (sd)	0.001 g	0.001 g	0.001 g
Repeatability (sd), fine range	–	–	–
Linearity	0.002 g	0.002 g	0.002 g
Linearity, fine range	–	–	–
Sensitivity temperature drift (10...30°C)	3 ppm/°C	3 ppm/°C	3 ppm/°C
Internal adjustment	yes, FACT	no, EXT ADJ	yes, FACT

Model	MS303S	MS303SE	MS403S
Adjustment range with external weights	100...320 g	100...320 g	100...420 g
Weights for routine testing			
Large Weight/Class OIML/ASTM	200 g / F2/4	200 g / F2/4	200 g / F2/4
Small Weight/Class OIML/ASTM	10 g / F1/3	10 g / F1/3	20 g / F1/3
Minimum weight (acc. to USP)	3 g	3 g	3 g
Minimum weight (U=1%, k=2)	0.2 g	0.2 g	0.2 g
Minimum weight (OIML)	0.02 g	0.02 g	0.02 g
Settling time, typ.	1.5 s	1.5 s	1.5 s
Weighing technology	MonoBloc	MonoBloc	MonoBloc
Usable height of draft shield [mm]	165	165	165
Weighing pan dimensions (WxD) [mm]	127x127	127x127	127x127
Balance dimensions (WxDxH) [mm]	204x347x280	204x347x280	204x347x280
Net Weight [kg]	6.2	6.2	6.2

Model	MS603S	MS1003S
Maximum load	620 g	1020 g
Maximum load, fine range	–	–
Readability	0.001 g	0.001 g
Readability, fine range	–	–
Taring range	0...620 g	0...1020 g
Repeatability (sd)	0.001 g	0.001 g
Repeatability (sd), fine range	–	–
Linearity	0.002 g	0.002 g
Linearity, fine range	–	–
Sensitivity temperature drift (10...30°C)	3 ppm/°C	3 ppm/°C
Internal adjustment	yes, FACT	yes, FACT
Adjustment range with external weights	100...620 g	500...1020 g
Weights for routine testing		
Large Weight/Class OIML/ASTM	500 g / F2/4	1000 g / F2/4
Small Weight/Class OIML/ASTM	20 g / F1/3	50 g / F2/4
Minimum weight (acc. to USP)	3 g	3 g
Minimum weight (U=1%, k=2)	0.2 g	0.2 g
Minimum weight (OIML)	0.02 g	0.02 g
Settling time, typ.	1.5 s	1.5 s
Weighing technology	MonoBloc	MonoBloc
Usable height of draft shield [mm]	165	165
Weighing pan dimensions (WxD) [mm]	127x127	127x127
Balance dimensions (WxDxH) [mm]	204x347x280	204x347x280
Net Weight [kg]	6.2	6.9

20.2.3 Balances with Readability of 0.01 g, S Platform

Technical Data

Model	MS1602S	MS1602SE	MS3002S
Maximum load	1620 g	1620 g	3200 g
Maximum load, fine range	–	–	–
Readability	0.01 g	0.01 g	0.01 g