

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
Readability, fine range	–	–	–
Taring range	0...1620 g	0...1620 g	0...3200 g
Repeatability (sd)	0.01 g	0.01 g	0.01 g
Repeatability (sd), fine range	–	–	–
Linearity	0.02 g	0.02 g	0.02 g
Linearity, fine range	–	–	–
Sensitivity temperature drift (10...30°C)	3 ppm/°C	3 ppm/°C	3 ppm/°C
Eccentric load deviation (test load)	30 mg (1000 g)	30 mg (1000 g)	30 mg (2000 g)
Internal adjustment	yes, FACT	no, EXT ADJ	yes, FACT
Adjustment range with external weights	1000...1620 g	1000...1620 g	1000...3200 g
Weights for routine testing			
Large Weight/Class OIML/ASTM	1000 g / F2/4	1000 g / F2/4	1000 g / F2/4
Small Weight/Class OIML/ASTM	50 g / F2/4	50 g / F2/4	100 g / F2/4
Minimum weight (acc. to USP)	30 g	30 g	30 g
Minimum weight (U=1%, k=2)	2 g	2 g	2 g
Minimum weight (OIML)	0.5 g	0.5 g	0.5 g
Settling time, typ.	1.5 s	1.5 s	1.5 s
Weighing technology	MonoBloc	MonoBloc	MonoBloc
Weighing pan dimensions (WxD) [mm]	170x200	170x200	170x200
Balance dimensions (WxDxH) [mm]	194x347x97	194x347x97	194x347x97
Net Weight [kg]	5.5	5.5	5.5

Model	MS3002SE	MS4002S	MS4002SDR
Maximum load	3200 g	4200 g	4200 g
Maximum load, fine range	–	–	820 g
Readability	0.01 g	0.01 g	0.1 g
Readability, fine range	–	–	0.01 g
Taring range	0...3200 g	0...4200 g	0...4200 g
Repeatability (sd)	0.01 g	0.01 g	0.06 g
Repeatability (sd), fine range	–	–	0.01
Linearity	0.02 g	0.02 g	0.2 g
Linearity, fine range	–	–	0.02 g
Sensitivity temperature drift (10...30°C)	3 ppm/°C	3 ppm/°C	3 ppm/°C
Eccentric load deviation (test load)	30 mg (2000 g)	30 mg (2000 g)	30 mg (2000 g)
Internal adjustment	no, EXT ADJ	yes, FACT	yes, FACT
Adjustment range with external weights	1000...3200 g	1000...4200 g	1000...4200 g
Weights for routine testing			
Large Weight/Class OIML/ASTM	1000 g / F2/4	2000 g / F2/4	2000 g / F2/4
Small Weight/Class OIML/ASTM	100 g / F2/4	200 g / F2/4	200 g / F2/4
Minimum weight (acc. to USP)	30 g	30 g	30 g
Minimum weight (U=1%, k=2)	2 g	2 g	2 g