



## Standard Features

- Module design
- User configurable and custom designed to meet changing applications
- Meets advanced Pharma compliance including user/password management for security, audit trail function logs and integrated alibi memory
- Q-guide enables tasks and work (MSA display)
- Electrically conductive coating on glass panels of draft shield
- RS-232 and USB communication
- Easy cleaning by removing glass doors
- Underweigh hook included
- Draft shield
- Choice of display
- MSE-large LCD display and easy menu system
- MSU-monochrome graphic display, positive click on keys to activate functions, Ethernet and SD card reader, auto leveling feature
- MSA-TFT color touchscreen, Ethernet and SD card reader, auto leveling feature

## Optional Features

- DA motor-driven draft shield
- DI draft shield eliminates electrostatic charges

## Specifications

	225S	225P	125P	324S	224S	324P	124S	524S	524P
<b>MSE*</b> Part#	109776	109777	109778	109779	109780	109781	109782	156269	156270
List Price	\$11,815.00	\$10,150.00	\$7,315.00	\$7,435.00	\$6,630.00	\$6,580.00	\$5,455.00	\$9,005.00	\$7,315.00
<b>MSU**</b> Part#	109783	109786	109788	109794	109790	109791	109792	156267	156268
List Price	\$12,945.00	\$11,280.00	\$8,445.00	\$8,565.00	\$7,760.00	\$7,710.00	\$6,585.00	\$10,135.00	\$8,445.00
<b>MSA***</b> Part#	109795	109796	109797	109798	109799	109800	109801	156265	156266
List Price	\$13,575.00	\$11,910.00	\$9,075.00	\$9,195.00	\$8,390.00	\$8,340.00	\$7,215.00	\$10,765.00	\$9,075.00
Capacity	220 g	60/120/220 g	60/120 g	320 g	220 g	80/160/320 g	120 g	520 g	120/240/520 g
Resolution	0.01 mg	0.01/0.02/0.05 mg	0.01/0.1 mg	0.1 mg	0.1 mg	0.1/0.2/0.5 mg	0.1 mg	0.1 mg	0.1/0.2/0.5 mg
Weighing Modes	Grams, Kilograms, Carat, Pounds, Ounces, Troy Ounce, Tael Hong Kong, Tael Singapore, Tael Taiwan, Grain, Pennyweight, Milligram, Parts per Pound, Tael China, Mommies, Austrian Carat, Tola, Baht, Mesghal, Ton, Pound:Ounces, Newton, Micrograms								
Operating Modes	Mass Unit Conversion, SQ Min Function, ISO-Cal Function, Density Determination (Buoyancy method only with MSE), Calculation, Averaging, Formulation, Percent Weighing, Totalizing, Counting, Customized Identification, Statistics, Time Control Function, Second Tare Memory, Over/Under Checkweighing								
Repeatability	0.025 mg	0.015/0.04 mg	0.015/0.06 mg	0.1 mg	0.07 mg	0.1/0.2/0.4 mg	0.1 mg	0.1 mg	0.1/0.2/0.5 mg
Linearity	0.1 mg	0.15 mg	0.15 mg	0.3 mg	0.2 mg	0.5 mg	0.2 mg	0.4 mg	0.5 mg
Stabilization Time (sec.)	2	2	2	1	1	1	1	1	1
Operating Temperature	41° F to 104° F (5° C to 40° C)								
Weighing Chamber	(W x D x H) 8 x 8 x 10.2 in (205 x 205 x 261 mm)								
Pan Size(W x D)	3.3 x 3.3 in (85 x 85 mm)								
Dimensions	(W x D x H) 16 x 9.8 x 14.6 in (410 x 249 x 370.4 mm) (with manual draft shield)								
Weight (Approx.)	18 lb								
Est. Ship Weight	31.9 lb				29.7 lb				
Calibration Weight	200 g	200 g	100 g	300 g	200 g	300 g	100 g	500 g	
Power	120V AC adapter auto ranging								
Warranty	Two-year Limited Warranty								
Return Policy	Sartorius Standard Policy - restock fee may apply								

\*MSE Large LCD display and easy-to-use menu system

\*\*MSU Monochrome graphic display, positive click on keys to activate functions, Ethernet and SD card reader

\*\*\*MSA TFT color touchscreen, Ethernet and SD card reader

## Part Number/Price

Part #	Model #	Description	Price
109776*	MSE225S-100-DU	220 g x 0.01 mg	\$11,815.00
109777*	MSE225P-100-DU	60 g/120 g/220 g x 0.01 mg/0.02 mg/0.05 mg	\$10,150.00
109778*	MSE125P-100-DU	60 g/120 g x 0.01 mg/0.1 mg	\$7,315.00
109779*	MSE324S-100-DU	320 g x 0.1 mg	\$7,435.00
156269	MSE524S-100-DU	520 g x 0.1 mg	\$9,005.00
156270	MSE524P-100-DU	520 g/240 g/120 g x 0.5 mg/0.2 mg/0.1 mg	\$7,315.00
109780*	MSE224S-100-DU	220 g x 0.1 mg	\$6,630.00
109781*	MSE324P-100-DU	80 g/160 g/320 g x 0.1 mg/0.2 mg/0.5 mg	\$6,580.00
109782*	MSE124S-100-DU	120 g x 0.1 mg	\$5,455.00
109783**	MSU225S-100-DU	220 g x 0.01 mg	\$12,945.00
109786**	MSU225P-100-DU	60 g/120 g/220 g x 0.01 mg/0.02 mg/0.05 mg	\$11,280.00
109788**	MSU125P-100-DU	60 g/120 g x 0.01 mg/0.1 mg	\$8,445.00
156267	MSU524S-100-DU	520 g x 0.1 mg	\$10,135.00
156268	MSU524P-100-DU	520 g/240 g/120 g x 0.5 mg/0.2 mg/0.1 mg	\$8,445.00
109794**	MSU324S-100-DU	320 g x 0.1 mg	\$8,565.00
109790**	MSU224S-100-DU	220 g x 0.1 mg	\$7,760.00
109791**	MSU324P-100-DU	80 g/160 g/320 g x 0.1 mg/0.2 mg/0.5 mg	\$7,710.00
109792**	MSU124S-100-DU	120 g x 0.1 mg	\$6,585.00
109795***	MSA225S-100-DU	220 g x 0.01 mg	\$13,575.00
109796***	MSA225P-100-DU	60 g/120 g/220 g x 0.01 mg/0.02 mg/0.05 mg	\$11,910.00
109797***	MSA125P-100-DU	60 g/120 g x 0.01 mg/0.1 mg	\$9,075.00
156265	MSA524S-100-DU	520 g x 0.1 mg	\$10,765.00
156266	MSA524P-100-DU	520 g/240 g/120 g x 0.5 mg/0.2 mg/0.1 mg	\$9,075.00
109798***	MSA324S-100-DU	320 g x 0.1 mg	\$9,195.00
109799***	MSA224S-100-DU	220 g x 0.1 mg	\$8,390.00
109800***	MSA324P-100-DU	80 g/160 g/320 g x 0.1 mg/0.2 mg/0.5 mg	\$8,340.00
109801***	MSA124S-100-DU	120 g x 0.1 mg	\$7,215.00

\*Large LCD display and easy-to-use menu system

\*\*Monochrome graphic display, positive click on keys to activate functions, Ethernet and SD card reader

\*\*\*TFT color touchscreen, Ethernet and SD card reader

## Options/Accessories

Part #	Model #	Description	Price
Consult	DA	Automatic motorized draft shield for analytical balances (factory installed)	Consult
Consult	DI	Automatic motorized draft shield for analytical balances, with integrated ionizer (factory installed)	Consult
Consult	TR	Certificate of compliance and full factory test report (factory installed)	Consult
Consult	IR	Additional RS-232, 25-pin connection (factory installed)	Consult
156906	6971987	Power supply, 100-240V	\$175.00
156908	6900900	Cord, power 220V EU	\$41.00
Consult	IB	Bluetooth® wireless interface	Consult
Consult	IP	Additional RS-232, nine-pin connection with PS2 port	Consult