

# Focus on the Essentials of High-end Weighing



Cubis<sup>®</sup>  
Essential  
Edition

The right choice for users without complex operations who primarily want to perform ultra-precise weighing!

## Features and Benefits

- Large, high-contrast, liquid crystal Cubis<sup>®</sup> MSE display
- Easy-to-understand menu guidance with short text prompts
- Clearly structured keys for precise activation of functions
- Software support for fast leveling
- Robust, monolithic weighing system technology for reliable measuring results
- Easy calibration with isoCAL (internal automatic calibration | adjustment function)
- Amply dimensioned, rectangular weighing pans

# Easy Operation with Stellar Weighing Performance

## Choose from 13 Preconfigured Premium Cubis® Lab Balances:

Since their launch in 2009, the modular design Cubis® premium lab balances have become an established standard for high-end weighing. To simplify your choice and ordering of Cubis® balances, we preconfigured 13 Cubis® Essential Edition models. They include semi-micro, analytical, precision and high-capacity balances.

Order Number	Fisher Sci. Cat. No.	Weighing capacity [g]	Readability [mg]	Weighing pan (W × D)	Typical measuring time [≤ s]	Repeatability [≤± mg]	Linearity [≤± mg]	Eccentric (off-center) [mg]* (Test load [g])	Optimum starting point of the operating range**	Design
<b>Semimicro Balances</b>										
MSE225S-ED15	14-559-000	220	0.01	85×85 mm   3.3×3.3 in	6	0...60 g: 0.015 60...220 g: 0.025	0.1	0.15 (100)	8.2 mg	A*
<b>Analytical Balances</b>										
MSE324S-ED15	14-559-002	320	0.1	85×85 mm   3.3×3.3 in	3	0.1	0.3	0.3 (200)	82 mg	B
MSE224S-ED15	14-559-001	220	0.1	85×85 mm   3.3×3.3 in	3	0.07	0.2	0.2 (100)	82 mg	B
<b>Precision Balances</b>										
MSE1203S-ED15	14-559-004	1,200	1	140×140 mm   5.5×5.5 in	1.5	0.7	2	2 (500)	0.82 g	C
MSE623S-ED15	14-559-003	620	1	140×140 mm   5.5×5.5 in	1	0.7	2	2 (200)	0.82 g	C
MSE6202S-ED15	14-559-006	6,200	10	206×206 mm   8.1×8.1 in	1.5	7	20	20 (2,000)	8.2 g	D
MSE4202S-ED15	14-559-005	4,200	10	206×206 mm   8.1×8.1 in	1	7	20	30 (2,000)	8.2 g	D
MSE8201S-ED15	14-559-008	8,200	100	206×206 mm   8.1×8.1 in	1	50	100	200 (5,000)	82 g	D
MSE5201S-ED15	14-559-007	5,200	100	206×206 mm   8.1×8.1 in	1	50	100	200 (5,000)	82 g	D
MSE12201S-ED15	14-559-009	12,200	100	206×206 mm   8.1×8.1 in	1	50	100	200 (2,000)	82 g	D
<b>High-Capacity Balances</b>										
MSE36201S-ED15	14-559-011	36,200	100	400×300 mm   15.7×11.8 in	1.5	100	200	300 (10,000)	82 g	E
MSE20201S-ED15	14-559-010	20,200	100	400×300 mm   15.7×11.8 in	1.5	100	200	300 (5,000)	82 g	E
MSE36200S-ED15	14-559-012	36,200	1,000	400×300 mm   15.7×11.8 in	1	500	1,000	1,000 (10,000)	820 g	E



Design A | B



Design C



Design D



Design E

\* Design A comes with slotted weighing pan and separate electronics box.

\*\* According to USP (United States Pharmacopeia) Chapter 41, the optimal operating range is defined as the range from 820 d to the maximum weighing capacity. Depending on the installation location and environmental conditions, the value may be higher.

## Data Interfaces

- USB and RS232C
- Three optional ports are available as an accessory (Bluetooth®, PS/2, RS232C)

## Applications

Unit conversion, isoCAL automatic calibration | adjustment function, density determination (buoyancy method only), calculations, averaging, net | total formulation, weighing in percent, counting, totalizing

## Draft Shields

- Semi-micro and analytical balances: draft shields with high mechanical stability and effortlessly silent moving doors. No disturbing frame, for unhindered access to the weighing pan.
- Protected against electrostatic influences by a conductive coating

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