

# Cubis® Draft Shields

Select a draft shield and enter the corresponding identifier in the field marked with the icon.

## O

No draft shield

Weighing modules:

- Precision, 0.01 g, 0.1 g, 1 g readability (pan size: 206 × 206 mm and 400 × 300 mm)
- Not applicable for model 5202S



## A

Automatic, glass

Chamber height: 250 mm (9.8")

Learning capability

Weighing modules:

- Semi-Micro, Analytical (pan size: 85 × 85 mm)
- Precision, 1 mg readability and model 5202S



## R

Removable, flat, stainless steel

Weighing modules:

- Precision, 1 mg readability and model 5202S (pan size: 140 × 140 mm)
- For weighing in areas where glass is not permitted or no draft shield is wanted



## I

Automatic, glass

Chamber height: 250 mm (9.8")

Learning capability

Integrated ionizer - to eliminate electrostatic charges

Weighing modules:

- Semi-Micro, Analytical (pan size: 85 × 85 mm)
- Precision, 1 mg readability and model 5202S (pan size: 140 × 140 mm)



## E

Manual, glass

Chamber height: 172 mm (6.8")

Weighing modules:

- Precision, 1 mg readability and model 5202S (pan size: 140 × 140 mm)



## M

Automatic, glass

Chamber height: 67 mm (2.6")

Learning capability

Weighing modules:

- 2.7S (pan size: 20 mm)
- 3.6P & 6.6S (pan size: 30 mm)



## U

Manual, glass

Chamber height: 261 mm (10.3")

Weighing modules:

- Semi-Micro, Analytical (pan size: 85 × 85 mm)
- Precision, 1 mg readability and model 5202S (pan size: 140 × 140 mm)



## F

Manual, stainless steel

Chamber height: 20 mm (0.78")

Designed for weighing filters

Weighing modules:

- 2.7S & 6.6S only
- Standard pan size: 50 mm
- Optional pan sizes: 75 mm and 90 mm



## QApp Packages



Pharma

### QP1

The Pharma software application package contains applications concerning the topic compliance with pharmaceutical-relevant guidelines as 21 CFR Part 11 and USP 39, Chapter 41. The Pharma package includes applications such as user management, digital signatures, audit trail, USP minimum weight.



Advanced

### QP2

The Advanced software application package includes various complex weighing applications incl. evaluation. This includes applications used for density determination, percentage weighing, counting, backweighing, residual dirt analysis, residue on ignition, sieve analysis, filter weighing, checkweighing, formulation, averaging, etc.



Utilities

### QP3

The Utility software application package contains weighing applications and function extensions such as bootscreen, color scheme, free formula, fiber coarseness, diameter determination, air buoyancy correction, paper weight, statistics and printing of QR | bar codes.

### QP4

The Connectivity software application package includes applications for data exchange, for example to Windows file server, FTPS, StarLims, etc.

### QP99

The software application package. All inclusive includes 4 different sub-packages for compliance (Pharma (QP1)), complex weighing applications (Advanced (QP2)), weighing applications and helpful tools (Utilities (QP3)) and connectors for data exchange (Connectivity (QP4)).



Connectivity

# Configure Your Cubis® II Balance

Balance type Weighing module*	Leveling		Approval	Draft shield							Software packages***	
	automatic	manual	S00, S01, CEU, CFR, CCN, OBR, OIN, OJP, ORU	A	E	F	I	M	R	U	O	QP1, QP2, QP3, QP4 or QP99
<b>Ultramicro</b> 2.7S	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>				<input type="checkbox"/>
<b>Micro</b> 10.6S, 6.6S, 3.6P	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>				<input type="checkbox"/>
<b>Semimicro</b> 225S, 225P, 125S, 125P	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>
<b>Analytical</b> 524S, 524P, 324S, 324P, 224S, 124S	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>
<b>Precision 1 mg</b> 5203S, 5203P, 3203S, 2203S, 2203P, 1203S, 623S, 623P, 323S	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<b>Precision 10 mg</b> 5202S	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
<b>Precision 10 mg</b> 8202S, 6202S, 6202P, 4202S, 2202S, 1202S	<input type="checkbox"/>		<input type="checkbox"/>								<input type="checkbox"/>	<input type="checkbox"/>
<b>Precision 10 mg</b> 32202P**, 14202S, 14202P, 10202S		<input type="checkbox"/>	<input type="checkbox"/>								<input type="checkbox"/>	<input type="checkbox"/>
<b>Precision 100 mg</b> 5201S, 8201S	<input type="checkbox"/>		<input type="checkbox"/>								<input type="checkbox"/>	<input type="checkbox"/>
<b>Precision 100 mg</b> 12201S		<input type="checkbox"/>	<input type="checkbox"/>								<input type="checkbox"/>	<input type="checkbox"/>



(Example)

\* All weighing modules available with MCA or MCE display  
 \*\* Weighing module 32202P available with approvals S00 or S01 only  
 \*\*\* Software packages available for balances with MCA display only

## Cubis® II Ultra-Micro Balances – Specifications & Pricing

### 2.7S

Capacity: 2.1 g  
 Repeatability (±): 0.15 µg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 20 |0.8 Ø

Readability: 0.1 µg  
 Linearity (±): 0.7 µg  
 Calibration Weight: 2 g

Model	US List Price (\$)
MCA2.7S-2S00-M	37,065
MCE2.7S-2S00-M	36,295

### 2.7S (with Filter Draft Shield)

Capacity: 2.1 g  
 Repeatability (±): 0.15 µg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 50\*|1.97 Ø

Readability: 0.1 µg  
 Linearity (±): 0.7 µg  
 Calibration Weight: 2 g

Model	US List Price (\$)
MCA2.7S-2S00-F	38,055
MCE2.7S-2S00-F	37,285

## Cubis® II Micro Balances – Specifications & Pricing

### 6.6S

Capacity: 6.1 g  
 Repeatability (±): 5 µg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 30|1.2 Ø

Readability: 1 µg  
 Linearity (±): 3 µg  
 Calibration Weight: 5 g

Model	US List Price (\$)
MCA6.6S-2S00-M	29,145
MCE6.6S-2S00-M	28,375

### 6.6S (with Filter Draft Shield)

Capacity: 6.1 g  
 Repeatability (±): 5 µg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 50\*|1.97 Ø

Readability: 1 µg  
 Linearity (±): 3 µg  
 Calibration Weight: 5 g

Model	US List Price (\$)
MCA6.6S-2S00-F	30,135
MCE6.6S-2S00-F	29,365

### 3.6P

Capacity: 1.1|2.1|3.1 g  
 Repeatability (±): 3|4|5 µg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 30|1.2 Ø

Readability: 1|2|5 µg  
 Linearity (±): 4 µg  
 Calibration Weight: 2 + 1 g

Model	US List Price (\$)
MCA3.6P-2S00-M	22,475
MCE3.6P-2S00-M	21,705

### 3.6P (with Filter Draft Shield)

Capacity: 1.1|2.1|3.1 g  
 Repeatability (±): 3|4|5 µg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 50|97 Ø

Readability: 1|2|5 µg  
 Linearity (±): 4 µg  
 Calibration Weight: 2 + 1 g

Model	US List Price (\$)
MCA3.6P-2S00-F	23,465
MCE3.6P-2S00-F	22,695

### 10.6S

Capacity: 10.1 g  
 Repeatability (±): 5 µg  
 Calibration Type: iso CAL  
 Pan Size Dimensions [mm|in.]: 30|1.2 Ø

Readability: 1 µg  
 Linearity (±): 3 µg  
 Calibration Weight: 10 g

Model	US List Price (\$)
MCA10.6S-2S00-M	36,635
MCE10.6S-2S00-M	35,865

### 10.6S (with Filter Draft Shield)

Capacity: 10.1 g  
 Repeatability (±): 5 µg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 30|1.2 Ø

Readability: 1 µg  
 Linearity (±): 3 µg  
 Calibration Weight: 10 g

Model	US List Price (\$)
MCA10.6S-2S00-F	37,625
MCE10.6S-2S00-F	36,855

# Cubis® II Semi-Micro Balances – Specifications & Pricing

## 225S

Capacity: 220 g  
 Repeatability (±): 0.01 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 85 x 85 | 3.3 x 3.3

Readability: 0.01 mg  
 Linearity (±): 0.065 mg  
 Calibration Weight: 200 g

Model	US List Price (\$)
MCA225S-2S00-U	13,720
MCA225S-2S00-A	16,130
MCA225S-2S00-I	17,335
MCE225S-2S00-U	12,950
MCE225S-2S00-A	15,360
MCE225S-2S00-I	16,565

## 125S

Capacity: 120 g  
 Repeatability (±): 0.01 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 85 x 85 | 3.3 x 3.3

Readability: 0.01 mg  
 Linearity (±): 0.065 mg  
 Calibration Weight: 100 g

Model	US List Price (\$)
MCA125S-2S00-U	10,645
MCA125S-2S00-A	13,055
MCA125S-2S00-I	14,260
MCE125S-2S00-U	9,875
MCE125S-2S00-A	12,285
MCE125S-2S00-I	13,490

## QApp Packages

### add to List Price (\$)

QP1 Pharma Package	1,190
QP2 Advanced Package	965
QP3 Utilities Package	590
QP4 Connectivity Package	490
QP99 All Inclusive Package (only available at time of purchase)	2,215

## 225P

Capacity: 60|120|220 g  
 Repeatability (±): 0.01 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 85 x 85 | 3.3 x 3.3

Readability: 0.01|0.02|0.05 mg  
 Linearity (±): 0.15 mg  
 Calibration Weight: 200 g

Model	US List Price (\$)
MCA225P-2S00-U	11,940
MCA225P-2S00-A	14,350
MCA225P-2S00-I	15,555
MCE225P-2S00-U	11,170
MCE225P-2S00-A	13,580
MCE225P-2S00-I	14,785

## 125P

Capacity: 60|120 g  
 Repeatability (±): .01 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 85 x 85 | 3.3 x 3.3

Readability: 0.01 | 0.1 mg  
 Linearity (±): 0.1 mg  
 Calibration Weight: 100 g

Model	US List Price (\$)
MCA125P-2S00-U	8,900
MCA125P-2S00-A	11,310
MCA125P-2S00-I	12,515
MCE125P-2S00-U	8,130
MCE125P-2S00-A	10,540
MCE125P-2S00-I	11,745



MCA225S-2S00-A

# Cubis® II Analytical Balances – Specifications & Pricing

## 524S

Capacity: 520 g  
 Repeatability (±): 0.04 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 85 x 85 | 3.3 x 3.3

Readability: 0.1 mg  
 Linearity (±): 0.2 mg  
 Calibration Weight: 500 g

Model*	US List Price (\$)
MCA524S-2S00-U	10,710
MCA524S-2S00-A	13,120
MCA524S-2S00-I	14,325
MCE524S-2S00-U	9,940
MCE524S-2S00-A	12,350
MCE524S-2S00-I	13,555

## 324S

Capacity: 320 g  
 Repeatability (±): 0.04 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 85 x 85 | 3.3 x 3.3

Readability: 0.1 mg  
 Linearity (±): 0.2 mg  
 Calibration Weight: 500 g

Model*	US List Price (\$)
MCA324S-2S00-U	9,030
MCA324S-2S00-A	11,440
MCA324S-2S00-I	12,645
MCE324S-2S00-U	8,260
MCE324S-2S00-A	10,670
MCE324S-2S00-I	11,875

## 524P

Capacity: 120 | 240 | 520 g  
 Repeatability (±): 0.04 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 85 x 85 | 3.3 x 3.3

Readability: 0.1 | 0.2 | 0.5 mg  
 Linearity (±): 0.2 mg  
 Calibration Weight: 500 g

Model*	US List Price (\$)
MCA524P-2S00-U	8,900
MCA524P-2S00-A	11,310
MCA524P-2S00-I	12,515
MCE524P-2S00-U	8,130
MCE524P-2S00-A	10,540
MCE524P-2S00-I	11,745

## 324P

Capacity: 80 | 160 | 320 g  
 Repeatability (±): 0.04 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 85 x 85 | 3.3 x 3.3

Readability: 0.1 | 0.2 | 0.5 mg  
 Linearity (±): 0.2 mg  
 Calibration Weight: 200 + 100g

Model*	US List Price (\$)
MCA324P-2S00-U	8,110
MCA324P-2S00-A	10,520
MCA324P-2S00-I	11,725
MCE324P-2S00-U	7,340
MCE324P-2S00-A	9,750
MCE324P-2S00-I	10,955



MCA524S-2S00-I

# Cubis® II Analytical Balances – Specifications & Pricing

<b>224S</b>		<b>124S</b>	
Capacity: 220 g	Readability: 0.1 mg	Capacity: 120 g	Readability: 0.1 mg
Repeatability (±): 0.05 mg	Linearity (±): 0.13 mg	Repeatability (±): 0.05 mg	Linearity (±): 0.13 mg
Calibration Type: isoCAL	Calibration Weight: 200 g	Calibration Type: isoCAL	Calibration Weight: 100 g
Pan Size Dimensions [mm in.]: 85 x 85   3.3 x 3.3		Pan Size Dimensions [mm in.]: 85 x 85   3.3 x 3.3	

Model*	US List Price (\$)
MCA224S-2S00-U	8,170
MCA224S-2S00-A	10,580
MCA224S-2S00-I	11,785
MCE224S-2S00-U	7,400
MCE224S-2S00-A	9,810
MCE224S-2S00-I	11,015

Model*	US List Price (\$)
MCA124S-2S00-U	6,910
MCA124S-2S00-A	9,320
MCA124S-2S00-I	10,525
MCE124S-2S00-U	6,140
MCE124S-2S00-A	8,550
MCE124S-2S00-I	9,755

QApp Packages	add to List Price (\$)
QP1 Pharma Package	1,190
QP2 Advanced Package	965
QP3 Utilities Package	590
QP4 Connectivity Package	490
QP99 All Inclusive Package (only available at time of purchase)	2,215



MCA224S-2S00-A

# Cubis® II Precision (3-place) Balances - Specifications & Pricing

## 5203S

Capacity: 5,200 g  
 Repeatability (±): 0.6 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 140 x 140 | 5.5 x 5.5

Readability: 1 mg  
 Linearity (±): 2 mg  
 Calibration Weight: 5 kg

Model*	US List Price (\$)
MCA5203S-2S00-R	11,060
MCA5203S-2S00-E	11,060
MCA5203S-2S00-U	11,540
MCA5203S-2S00-A	13,950
MCA5203S-2S00-I	15,155
MCE5203S-2S00-R	10,290
MCE5203S-2S00-E	10,290
MCE5203S-2S00-U	10,770
MCE5203S-2S00-A	13,180
MCE5203S-2S00-I	14,385

## 5203P

Capacity: 1,200 | 2,400 | 5,200 g  
 Repeatability (±): 0.6 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 140 x 140 | 5.5 x 5.5

Readability: 1 | 2 | 5 mg  
 Linearity (±): 3 mg  
 Calibration Weight: 5 kg

Model*	US List Price (\$)
MCA5203P-2S00-R	10,580
MCA5203P-2S00-E	10,580
MCA5203P-2S00-U	11,060
MCA5203P-2S00-A	13,470
MCA5203P-2S00-I	14,675
MCE5203P-2S00-R	9,810
MCE5203P-2S00-E	9,810
MCE5203P-2S00-U	10,290
MCE5203P-2S00-A	12,700
MCE5203P-2S00-I	13,905

## 3203S

Capacity: 3,200 g  
 Repeatability (±): 0.6 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 140 x 140 | 5.5 x 5.5

Readability: 1 mg  
 Linearity (±): 2 mg  
 Calibration Weight: 2 kg

Model*	US List Price (\$)
MCA3203S-2S00-R	9,705
MCA3203S-2S00-E	9,705
MCA3203S-2S00-U	10,185
MCA3203S-2S00-A	12,595
MCA3203S-2S00-I	13,800
MCE3203S-2S00-R	8,935
MCE3203S-2S00-E	8,935
MCE3203S-2S00-U	9,415
MCE3203S-2S00-A	11,825
MCE3203S-2S00-I	13,030

## QApp Packages

### add to List Price (\$)

QP1 Pharma Package	1,190
QP2 Advanced Package	965
QP3 Utilities Package	590
QP4 Connectivity Package	490
QP99 All Inclusive Package (only available at time of purchase)	2,215



MCA5203S-2S00-R

# Cubis® II Precision (3-place) Balances – Specifications & Pricing

## 2203S

Capacity: 2,200 g  
 Repeatability (±): 0.5 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 140 x 140 | 5.5 x 5.5

Readability: 1 mg  
 Linearity (±): 2 mg  
 Calibration Weight: 2 kg

Model*	US List Price (\$)
MCA2203S-2S00-R	9,410
MCA2203S-2S00-E	9,410
MCA2203S-2S00-U	9,890
MCA2203S-2S00-A	12,300
MCA2203S-2S00-I	13,505
MCE2203S-2S00-R	8,640
MCE2203S-2S00-E	8,640
MCE2203S-2S00-U	9,120
MCE2203S-2S00-A	11,530
MCE2203S-2S00-I	12,735

## 1203S

Capacity: 1,200 g  
 Repeatability (±): 0.5 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 140 x 140 | 5.5 x 5.5

Readability: 1 mg  
 Linearity (±): 1 mg  
 Calibration Weight: 1 kg

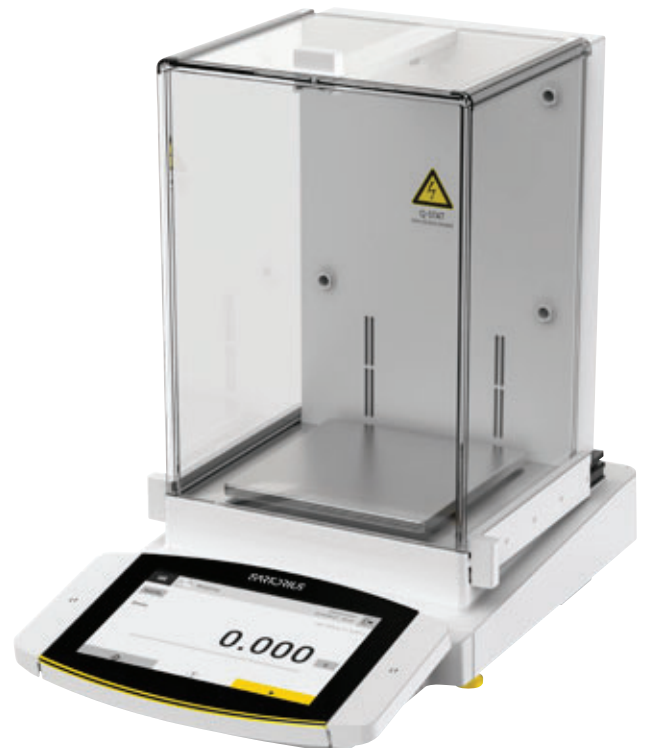
Model*	US List Price (\$)
MCA1203S-2S00-R	8,355
MCA1203S-2S00-E	8,355
MCA1203S-2S00-U	8,835
MCA1203S-2S00-A	11,245
MCA1203S-2S00-I	12,450
MCE1203S-2S00-R	7,585
MCE1203S-2S00-E	7,585
MCE1203S-2S00-U	8,065
MCE1203S-2S00-A	10,475
MCE1203S-2S00-I	11,680

## 2203P

Capacity: 1,010 | 2,200 g  
 Repeatability (±): 0.5 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 140 x 140 | 5.5 x 5.5

Readability: 1 | 10 mg  
 Linearity (±): 3 mg  
 Calibration Weight: 1 kg

Model*	US List Price (\$)
MCA2203P-2S00-R	9,125
MCA2203P-2S00-E	9,125
MCA2203P-2S00-U	9,605
MCA2203P-2S00-A	12,015
MCA2203P-2S00-I	13,220
MCE2203P-2S00-R	8,355
MCE2203P-2S00-E	8,355
MCE2203P-2S00-U	8,835
MCE2203P-2S00-A	11,245
MCE2203P-2S00-I	12,450



MCA2203S-2S00-I



# Cubis® II Precision (3-place) Balances – Specifications & Pricing

## 623S

Capacity: 620 g  
 Repeatability (±): 0.4 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 140 x 140 | 5.5 x 5.5

Readability: 1 mg  
 Linearity (±): 0.6 mg  
 Calibration Weight: 500 g

Model*	US List Price (\$)
MCA623S-2S00-R	6,720
MCA623S-2S00-E	6,720
MCA623S-2S00-U	7,200
MCA623S-2S00-A	9,610
MCA623S-2S00-I	10,815
MCE623S-2S00-R	5,950
MCE623S-2S00-E	5,950
MCE623S-2S00-U	6,430
MCE623S-2S00-A	8,840
MCE623S-2S00-I	10,045

## 323S

Capacity: 320 g  
 Repeatability (±): 0.4 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 140 x 140 | 5.5 x 5.5

Readability: 1 mg  
 Linearity (±): 0.6 mg  
 Calibration Weight: 200 g

Model*	US List Price (\$)
MCA323S-2S00-R	5,905
MCA323S-2S00-E	5,905
MCA323S-2S00-U	6,385
MCA323S-2S00-A	8,795
MCA323S-2S00-I	10,000
MCE323S-2S00-R	5,135
MCE323S-2S00-E	5,135
MCE323S-2S00-U	5,615
MCE323S-2S00-A	8,025
MCE323S-2S00-I	9,230

## QApp Packages

### add to List Price (\$)

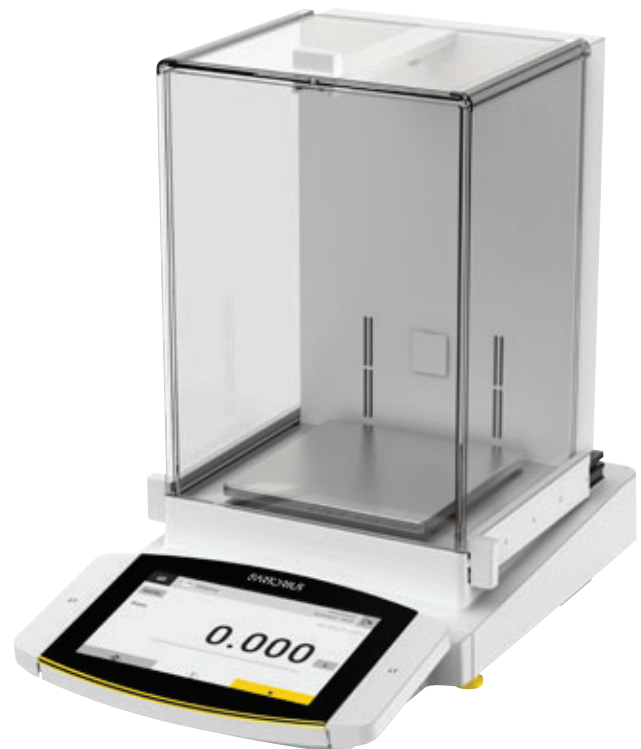
QP1 Pharma Package	1,190
QP2 Advanced Package	965
QP3 Utilities Package	590
QP4 Connectivity Package	490
QP99 All Inclusive Package (only available at time of purchase)	2,215

## 623P

Capacity: 150 | 300 | 620 g  
 Repeatability (±): 0.4 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 140 x 140 | 5.5 x 5.5

Readability: 1 | 2 | 5 mg  
 Linearity (±): 1.5 mg  
 Calibration Weight: 500 g

Model*	US List Price (\$)
MCA623P-2S00-R	6,015
MCA623P-2S00-E	6,015
MCA623P-2S00-U	6,495
MCA623P-2S00-A	8,905
MCA623P-2S00-I	10,110
MCE623P-2S00-R	5,245
MCE623P-2S00-E	5,245
MCE623P-2S00-U	5,725
MCE623P-2S00-A	8,135
MCE623P-2S00-I	9,340



MCA323S-S00-A

# Cubis® II Precision (2-place) Balances – Specifications & Pricing

## 14202S

Capacity: 14,200 g  
 Repeatability (±): 5 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 233 | 9.2 Ø

Readability: 0.01 g  
 Linearity (±): 10 mg  
 Calibration Weight: 10 kg

Model	US List Price (\$)
MCA14202S-2S00-0	9,565
MCE14202S-2S00-0	8,795

## 10202S

Capacity: 10,200 g  
 Repeatability (±): 5 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 233 | 9.2 Ø

Readability: 0.01 g  
 Linearity (±): 6 mg  
 Calibration Weight: 10 kg

Model	US List Price (\$)
MCA10202S-2S00-0	7,935
MCE10202S-2S00-0	7,165

## 6202S

Capacity: 6,200 g  
 Repeatability (±): 4 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 206 x 206 | 8.1 x 8.1

Readability: 0.01 g  
 Linearity (±): 6 mg  
 Calibration Weight: 5 kg

Model	US List Price (\$)
MCA6202S-2S00-0	6,255
MCE6202S-2S00-0	5,485

## 32202P

Capacity: 4200 | 32200 g  
 Repeatability (±): 20 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 233 | 9.2 Ø

Readability: 10 | 100 mg  
 Linearity (±): 10 mg  
 Calibration Weight: 30 kg

Model	US List Price (\$)
MCA32202P-2S00-0	13,865
MCE32202P-2S00-0	13,095

## 14202P

Capacity: 3,500 | 7,000 | 14,200 g  
 Repeatability (±): 5 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 206 x 206 | 8.1 x 8.1

Readability: 0.01 | 0.02 | 0.05 g  
 Linearity (±): 20 mg  
 Calibration Weight: 10 kg

Model	US List Price (\$)
MCA14202P-2S00-0	8,365
MCE14202P-2S00-0	7,595

## 8202S

Capacity: 8,200 g  
 Repeatability (±): 4 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 206 x 206 | 8.1 x 8.1

Readability: 0.01 g  
 Linearity (±): 6 mg  
 Calibration Weight: 5 kg

Model	US List Price (\$)
MCA8202S-2S00-0	6,965
MCE8202S-2S00-0	6,195

## 6202P

Capacity: 1,500 | 3,000 | 6,200 g  
 Repeatability (±): 4 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 206 x 206 | 8.1 x 8.1

Readability: 0.01 | 0.02 | 0.05 g  
 Linearity (±): 20 mg  
 Calibration Weight: 5 kg

Model	US List Price (\$)
MCA6202P-2S00-0	5,690
MCE6202P-2S00-0	4,920



MCA8202S-2S00-0

# Cubis® II Precision (2-place) Balances – Specifications & Pricing

## 5202S

Capacity: 5,200 g  
 Repeatability (±): 2 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 140 x 140 | 5.5 x 5.5

Readability: 0.01 g  
 Linearity (±): 5 mg  
 Calibration Weight: 5 kg

Model*	US List Price (\$)
MCA5202S-2S00-R	6,790
MCA5202S-2S00-E	6,790
MCA5202S-2S00-U	7,270
MCA5202S-2S00-A	9,680
MCA5202S-2S00-I	10,885
MCE5202S-2S00-R	6,020
MCE5202S-2S00-E	6,020
MCE5202S-2S00-U	6,500
MCE5202S-2S00-A	8,910
MCE5202S-2S00-I	10,115

## 4202S

Capacity: 4,200 g  
 Repeatability (±): 4 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 206 x 206 | 8.1 x 8.1

Readability: 0.01 g  
 Linearity (±): 6 mg  
 Calibration Weight: 2 kg

Model	US List Price (\$)
MCA4202S-2S00-0	5,530
MCE4202S-2S00-0	4,760

## 2202S

Capacity: 2,200 g  
 Repeatability (±): 4 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 206 x 206 | 8.1 x 8.1

Readability: 0.01 g  
 Linearity (±): 6 mg  
 Calibration Weight: 2 kg

Model	US List Price (\$)
MCA2202S-2S00-0	5,105
MCE2202S-2S00-0	4,335

## 1202S

Capacity: 1,200 g  
 Repeatability (±): 0.007 g  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 206 x 206 | 8.1 x 8.1

Readability: 0.01 g  
 Linearity (±): 0.02 g  
 Calibration Weight: 1 kg

Model	US List Price (\$)
MCA1202S-2S00-0	4,680
MCE1202S-2S00-0	3,910

## QApp Packages

QApp Packages	add to List Price (\$)
QP1 Pharma Package	1,190
QP2 Advanced Package	965
QP3 Utilities Package	590
QP4 Connectivity Package	490
QP99 All Inclusive Package (only available at time of purchase)	2,215



MCE4202S-S00-0

# Cubis® II Precision (1-place) Balances – Specifications & Pricing

## 12201S

Capacity: 12,200 g                      Readability: 0.1 g  
 Repeatability (±): 0.05 g              Linearity (±): 30 mg  
 Calibration Type: isoCAL              Calibration Weight: 10 kg  
 Pan Size Dimensions [mm|in.]: 206 x 206 | 8.1 x 8.1

Model	US List Price (\$)
MCA12201S-2S00-0	5,635
MCE12201S-2S00-0	4,865

## 5201S

Capacity: 5,200 g                      Readability: 0.1 g  
 Repeatability (±): 20 mg              Linearity (±): 20 mg  
 Calibration Type: isoCAL              Calibration Weight: 5 kg  
 Pan Size Dimensions [mm|in.]: 206 x 206 | 8.1 x 8.1

Model*	US List Price (\$)
MCA5201S-2S00-0	4,020
MCE5201S-2S00-0	3,250

## 8201S

Capacity: 8,200 g                      Readability: 0.1 g  
 Repeatability (±): 0.05 g              Linearity (±): 0.1 g  
 Calibration Type: isoCAL              Calibration Weight: 5 kg  
 Pan Size Dimensions [mm|in.]: 206 x 206 | 8.1 x 8.1

Model	US List Price (\$)
MCA8201S-2S00-0	5,170
MCE8201S-2S00-0	4,400



MCA8201S-2S00-0

# Cubis® II Precision High-Capacity Balances – Specifications & Pricing

## 70201S

Capacity: 70,200 g  
 Repeatability (±): 40 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 400 x 300 | 15.7 x 11.8

Readability: 0.1 g  
 Linearity (±): 150 mg  
 Calibration Weight: 20 kg

Model	US List Price (\$)
MCA70201S-2S00-0	13,955
MCE70201S-2S00-0	13,185

## 36201P

Capacity: 10,200 | 36,200 g  
 Repeatability (±): 20 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 400 x 300 | 15.7 x 11.8

Readability: 0.1 | 1 g  
 Linearity (±): 100 mg  
 Calibration Weight: 10 kg

Model	US List Price (\$)
MCA36201P-2S00-0	7,575
MCE36201P-2S00-0	6,805

## 11201S

Capacity: 11,200 g  
 Repeatability (±): 20 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 400 x 300 | 15.7 x 11.8

Readability: 0.1 g  
 Linearity (±): 60 mg  
 Calibration Weight: 10 kg

Model	US List Price (\$)
MCA11201S-2S00-0	6,925
MCE11201S-2S00-0	6,155

## 70200S

Capacity: 70,200 g  
 Repeatability (±): 20 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 400 x 300 | 15.7 x 11.8

Readability: 1 g  
 Linearity (±): 200 mg  
 Calibration Weight: 20 kg

Model	US List Price (\$)
MCA70200S-2S00-0	10,355
MCE70200S-2S00-0	9,585

## 50201S

Capacity: 50,200 g  
 Repeatability (±): 40 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 400 x 300 | 15.7 x 11.8

Readability: 0.1 g  
 Linearity (±): 150 mg  
 Calibration Weight: 50 kg

Model	US List Price (\$)
MCA50201S-2S00-0	10,635
MCE50201S-2S00-0	9,865

## 36201S

Capacity: 36,200 g  
 Repeatability (±): 20 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 400 x 300 | 15.7 x 11.8

Readability: 0.1 g  
 Linearity (±): 100 mg  
 Calibration Weight: 10 kg

Model	US List Price (\$)
MCA36201S-2S00-0	8,960
MCE36201S-2S00-0	8,190

## 20201S

Capacity: 20,200 g  
 Repeatability (±): 20 mg  
 Calibration Type: isoCAL  
 Pan Size Dimensions [mm|in.]: 400 x 300 | 15.7 x 11.8

Readability: 0.1 g  
 Linearity (±): 60 mg  
 Calibration Weight: 20 kg

Model	US List Price (\$)
MCA20201S-2S00-0	7,155
MCE20201S-2S00-0	6,385

## 36200S

Capacity: 36,000 g  
 Repeatability (±): 0.5  
 Calibration Type: isoCA  
 Pan Size Dimensions [mm|in.]: 400 x 300 | 15.7 x 11.8

Readability: 1 g  
 Linearity (±): 1 g  
 Calibration Weight: 10 kg

Model	US List Price (\$)
MCA36200S-2S00-0	6,315
MCE36200S-2S00-0	5,545



MCA20201S-2S00-0

# Cubis® II MCA Preconfigured Balances

Model	Capacity	Readability	Repeatability (±)	Linearity (±)	Pan Size (mm in.)	Calibration		US List Price (\$)
						Type	Wt	
<b>Ultra-Micro w Detailed Certificate of Conformity</b>								
MCA2.7SM-S00	2.1g	0.1 µg	0.15 µg	0.9 µg	20 0.8 d	isoCAL	2 g	39,280
MCA2.7SF-S00	2.1g	0.1 µg	0.15 µg	0.9 µg	20 0.8 d	isoCAL	2 g	40,270

<b>Micro w Detailed Certificate of Conformity</b>								
MCA10.6SM-S00	10.1g	1 µg	0.5 µg	3 µg	30  1.2 d	isoCAL	10 g	38,850
MCA6.6SM-S00	6.1g	1 µg	0.5 µg	3 µg	30  1.2 d	isoCAL	5 g	31,360
MCA6.6SF-S00	6.1g	1 µg	0.5 µg	3 µg	30  1.2 d	isoCAL	5 g	32,350
MCA3.6PM-S00	1.1   2.1   3.1g	1   2   5 µg	0.5 µg	3 µg	30  1.2 d	isoCAL	2 + 1g	24,690

<b>Semi-Micro (Automatic Motorized Draft Shield w Integrated Ionizer and Auto Leveling)</b>								
MCA125SI-S00	120 g	0.01 mg	0.01 mg	0.065 mg	85 × 85   3.3 × 3.3	isoCAL	100 g	16,475
MCA225SI-S00	221 g	0.01 mg	0.01 mg	0.065 mg	85 × 85   3.3 × 3.3	isoCAL	200 g	19,550

<b>Semi-Micro (Manual, Large Draft Shield w Auto Leveling)</b>								
MCA225SU-S00	220 g	0.01 mg	0.01 mg	0.065 mg	85 × 85   3.3 × 3.3	isoCAL	200 g	15,935

<b>Analytical (Automatic Motorized Draft Shield w Integrated Ionizer and Auto Leveling)</b>								
MCA124SI-S00	120 g	0.1 mg	0.05 mg	0.13 mg	85 × 85   3.3 × 3.3	isoCAL	100 g	12,740
MCA224SI-S00	220 g	0.1 mg	0.05 mg	0.13 mg	85 × 85   3.3 × 3.3	isoCAL	200 g	14,000
MCA324SI-S00	320 g	0.1 mg	0.04 mg	0.2 mg	85 × 85   3.3 × 3.3	isoCAL	300g	14,860
MCA524SI-S00	520 g	0.1 mg	0.04 mg	0.2 mg	85 × 85   3.3 × 3.3	isoCAL	500g	16,540

<b>Analytical (Manual, Large Draft Shield w Auto Leveling)</b>								
MCA124SU-S00	120 g	0.1 mg	0.05 mg	0.13 mg	85 × 85   3.3 × 3.3	isoCAL	100 g	9,125
MCA224SU-S00	220 g	0.1 mg	0.05 mg	0.13 mg	85 × 85   3.3 × 3.3	isoCAL	200 g	10,385
MCA324SU-S00	320 g	0.1 mg	0.04 mg	0.2 mg	85 × 85   3.3 × 3.3	isoCAL	300g	11,245
MCA524SU-S00	520 g	0.1 mg	0.04 mg	0.2 mg	85 × 85   3.3 × 3.3	isoCAL	500g	12,925



MCA124SI-S00

# Cubis® II MCA Preconfigured Balances

Model	Capacity (g)	Readability	Repeatability (±) (mg)	Linearity (±) (mg)	Pan Size (mm in.)	Calibration		US List Price (\$)
						Type	Wt	
<b>Precision (Manual, Small Draft Shield w Auto Leveling)</b>								
MCA623SE-S00	620	1 mg	0.4	0.5	140 × 140   5.5 × 5.5	isoCAL	500 g	8,935
MCA1203SE-S00	1,200	1 mg	0.5	1	140 × 140   5.5 × 5.5	isoCAL	1 kg	10,570
MCA2203SE-S00	3,200	1 mg	0.5	2	140 × 140   5.5 × 5.5	isoCAL	2 kg	11,625
MCA3203SE-S00	3,200	1 mg	0.6	2	140 × 140   5.5 × 5.5	isoCAL	3 kg	11,920
MCA5203SE-S00	5,200	1 mg	0.6	2	140 × 140   5.5 × 5.5	isoCAL	5 kg	13,275
<b>Precision (Manual, Low draft shield for weighing pan (stainless steel) w Auto Leveling)</b>								
MCA623SR-S00	620	1 mg	0.4	0.5	140 × 140   5.5 × 5.5	isoCAL	500 g	8,935
MCA1203SR-S00	1,200	1 mg	0.5	1	140 × 140   5.5 × 5.5	isoCAL	1 kg	10,570
MCA2203SR-S00	3,200	1 mg	0.5	2	140 × 140   5.5 × 5.5	isoCAL	2 kg	11,625
MCA3203SR-S00	3,200	1 mg	0.6	2	140 × 140   5.5 × 5.5	isoCAL	3 kg	11,920
MCA5203SR-S00	5,200	1 mg	0.6	2	140 × 140   5.5 × 5.5	isoCAL	5 kg	13,275
<b>Precision (No Draft Shield w Auto Leveling)</b>								
MCA2202S0-S00	2,200	0.01 g	4	6	206 × 206   8.1 × 8.1	isoCAL	2 kg	7,320
MCA4202S0-S00	4,200	0.01 g	4	6	206 × 206   8.1 × 8.1	isoCAL	3 kg	7,745
MCA6202S0-S00	6,200	0.01 g	4	6	206 × 206   8.1 × 8.1	isoCAL	5 kg	8,470
MCA32202P0-S00	4200   32200	0.01 g   0.1 g	20	10	400 × 300   15.7 × 11.8	isoCAL	30kg	16,080
<b>Precision (No Draft Shield)</b>								
MCA8201S0-S00	8,200	0.1 g	20	30	206 × 206   8.1 × 8.1	isoCAL	8 kg	7,385
MCA12201S0-S00	12,200	0.1 g	20	30	206 × 206   8.1 × 8.1	isoCAL	12 kg	7,850
MCA20201S0-S00	20,200	0.1 g	20	60	400 × 300   15.7 × 11.8	isoCAL	20kg	9,370
MCA36201S0-S00	36,200	0.1 g	20	100	400 × 300   15.7 × 11.8	isoCAL	30 kg	11,175
MCA70201S0-S00	70,200	0.1 g	20	200	400 × 300   15.71 × 11.8	isoCAL	70 kg	16,170










# Cubis® II MCE Preconfigured Balances

Model	Capacity (g)	Readability	Repeatability (±)	Linearity (±)	Pan Size (mm in.)	Calibration Type	Wt	US List Price (\$)
<b>Micro w Detailed Certificate of Conformity</b>								
MCE3.6PM-S00	1.1 2.1 3.1	1 2 5 µg	0.05 µg	3 µg	30 1.2 d	isoCAL	2+1 g	21,705
<b>Semi-Micro (Manual, Large Draft Shield w Auto Leveling)</b>								
MCE125SU-S00	120	0.01 mg	0.01 mg	0.065 mg	85 × 85   3.3 × 3.3	isoCAL	100 g	9,875
MCE225SU-S00	221	0.01 mg	0.01 mg	0.065 mg	85 × 85   3.3 × 3.3	isoCAL	200 g	12,950
<b>Analytical (Manual, Large Draft Shield w Auto Leveling)</b>								
MCE124SU-S00	120	0.1 mg	0.05 mg	0.13 mg	85 × 85   3.3 × 3.3	isoCAL	100 g	6,140
MCE224SU-S00	220	0.1 mg	0.05 mg	0.13 mg	85 × 85   3.3 × 3.3	isoCAL	200 g	7,400
MCE324SU-S00	320	0.1 mg	0.04 mg	0.2 mg	85 × 85   3.3 × 3.3	isoCAL	300 g	8,260
<b>Precision (Manual, Low draft shield for weighing pan (stainless steel) w Auto Leveling)</b>								
MCE623SR-S00	620	1 mg	0.4 mg	0.5 mg	140 × 140   5.5 × 5.5	isoCAL	500 g	5,950
MCE1203SR-S00	1,200	1 mg	0.5 mg	1 mg	140 × 140   5.5 × 5.5	isoCAL	1 kg	7,585
MCE2203SR-S00	2,200	1 mg	0.5 mg	2 mg	140 × 140   5.5 × 5.5	isoCAL	2 kg	8,640
MCE3203SR-S00	3,200	1 mg	0.6 mg	2 mg	140 × 140   5.5 × 5.5	isoCAL	3 kg	8,935
<b>Precision (No Draft Shield w Auto Leveling)</b>								
MCE2202S0-S00	2,200	0.01 g	4 mg	6 mg	206 × 206   8.1 × 8.1	isoCAL	2 kg	4,335
MCE4202S0-S00	4,200	0.01 g	4 mg	6 mg	206 × 206   8.1 × 8.1	isoCAL	3 kg	4,760
MCE6202S0-S00	6,200	0.01 g	4 mg	6 mg	206 × 206   8.1 × 8.1	isoCAL	5 kg	5,485
MCE32202P0-S00	4200   32200	0.01 g   0.1 g	20 mg	10 mg	400 × 300   8.1 × 8.1	isoCAL	30 kg	13,095
<b>Precision (No Draft Shield)</b>								
MCE8201S0-S00	8,200	0.1 g	20 mg	30 mg	206 × 206   8.1 × 8.1	isoCAL	8 kg	4,400
MCE12201S0-S00	12,200	0.1 g	20 mg	30 mg	206 × 206   8.1 × 8.1	isoCAL	12 kg	4,865
MCE20201S0-S00	20,200	0.1 g	20 mg	60 mg	400 × 300   8.1 × 8.1	isoCAL	20 kg	6,385
MCE36201S0-S00	36,200	0.1 g	20 mg	100 mg	400 × 300   8.1 × 8.1	isoCAL	30 kg	8,190
MCE36200S0-S00	36,200	1 g	20 mg	200 mg	400 × 300   8.1 × 8.1	isoCAL	30 kg	5,545



# Cubis® II Balance Accessories

Item	Description	Qty.	US List Price (\$)
<b>Printers and Communication</b>			
YDP30	Thermal transfer   thermal printer for GLP printouts on continuous paper and labels	1	1,530
69Y03285	Standard paper and ink ribbon, set, 90 m, for YDP30	1	73
69Y03286	Self-adhesive paper and ink ribbon, 90 m, for YDP30	1	78
69Y03287	Standard thermal paper, 24 m roll, for YDP30   YDP40	5	33
69Y03288	Self-adhesive thermal paper, 13 m roll, for YDP30	5	62
69Y03094	Self-adhesive labels for YDP30 - 58 mm x 100 mm	350	63
69Y03093	Self-adhesive labels for YDP30 - 58 mm x 76 mm	500	49
69Y03092	Self-adhesive labels for YDP30 - 58 mm x 30 mm	1000	47
YSW02	Sartorius Wedge, software for data communication between the PC and balance	1	550
<b>Displays and Input/Output Elements</b>			
69MS0212	MCA Display and control unit with color TFT display, touch screen, and keys	1	1,640
69MS0218	MCE Display and control unit with high-contrast display, touch screen, and keys	1	1,045
YHS02MS	Motion sensor for triggering a maximum of 4 functions via gesture control, selection via menu	1	425
YDH04MS	Display stand for weigh cells with scale interval of 100 mg   1 g and weighing capacity > 20 kg for raising the operating unit	1	405
YDH03MS	Display stand for weigh cells with scale interval of 10 mg   100 mg for raising the operating unit	1	395
<b>Hardware for Pipette Calibration (Semi-Micro and Analytical balances)</b>			
YCP04MS	Pipette calibration kit (hardware). Consists of moisture trap and all required adapters	1	1,220
<b>Density Determination Kits</b>			
YDK03MS	Density determination kit for solids and liquids for 0.1 and 0.01 mg weighing modules	1	1,055
YDK04MS	Density determination kit for solids and liquids for 1 mg weighing modules	1	1,055
<b>Filter Pans, Ionizer and Weighing Scoops</b>			
YWP07MS	Grid pan for model with a scale interval of 10 mg or 100 mg for weighing in laboratory hoods, safety barriers and workbenches, reduced wind attack surface of the weighing pan, replaces standard pan	1	1,330
YWP04MS	Anti-static weighing pan, 100 mm diameter, for weighing module for semi-micro balance and analytical balances with 0.1 mg or 0.01 mg scale interval	1	270
YSH34	Filter weighing pan made of Titanium, diameter 52 mm, for ultra-micro and micro balances only together with F draft shield	1	435
YSH35	Filter weighing pan made of Titanium, diameter 75 mm, for ultra-micro balance or micro balance models only together with F draft shield	1	440
YSH36	Filter weighing pan made of Titanium, diameter 90 mm, for ultra-micro balance or micro balance models only together with F draft shield	1	450
YIB01-OUR	Ionization blower for electrostatically charged samples	1	1,895
YIB02-115V	Ionizer with u-shaped electrode for 115 V	1	2,905
YSTP01	Stat-Pen ionization pen for discharging electrostatically charged samples	1	2,000
6565-250	Aluminum weighing scoop, 4.5 mg for ultra-micro balance and micro balance models	250	97
6566-50	Aluminum weighing scoop, 52 mg for ultra-micro balance and micro balance models	50	60
641214	Weighing scoop made from chrome-nickel steel, L 90 mm x W 32 mm x H 8 mm	1	102
<b>Other Accessories</b>			
69EA0040	Below-balance weighing hook for precision balances with scale interval of 100 mg   1 g and weighing capacity > 20 kg, not for verified models	1	39

Item	Description		Qty.	US List Price (\$)
<b>Weighing Tables</b>				
YWT03	Made from synthetic stone, with vibration dampening		1	2,330
YWT09	Made from wood with synthetic stone		1	2,190
YWT04	Wall console		1	1,950
U1-21201315	Granite Platform (13" x 15") with vibration isolators		1	650
U1-24201621	Granite Isolator (16" x 21") with vibration isolators		1	1,385
<b>Climate Modules</b>				
YCM20MC	Climate module, uncalibrated, for draft shield A or I and user interface MCA		1	650
YCM20DAkKS	Calibration of a climate module YCM20MC with DAkKS calibration certificate		1	1,620
YCM20MC-DAkKS	Climate module with DAkKS calibration certificate for draft shield A or I and user interface MCA		1	2,265
YCM20MC-Tower	Tower for climate module, for mounting YCM20MC; can be ported to all Cubis II weighing modules with user interface MCA		1	1,000
<b>Flexible Sample Holder</b>				
YFH01MS	For weighing vessels and filters with diameters of up to 120 mm, replaces the original weighing pan, for semi-microbalance and analytical balance		1	425
<b>Titanium Holders for Semi-Micro Balances and Analytical Balances</b>				
YSH10	For coronary stents (up to 38 mm)		1	980
YSH13	For save-lock tubes, 1.5 ml - 2 ml		1	425
<b>Titanium Holders for Semi-Micro Balances and Analytical Balances</b>				
YSH15	For save-lock tubes, 1.5 ml - 2 ml		1	570
YSH19	For save-lock tubes up to 5 ml		1	490
YSH23	For vials		1	690
YSH26	For weighing boats		1	700
YSH30	For filters, 150 mm diameter		1	1,265
YSH37	For titration vessels and round bottom flasks		1	695
YSH46	For syringes, vertical		1	895

# Cubis® High-Capacity Micro Balances – Specifications & Pricing

## 116P

Capacity: 12 g | 111 g  
 Readability: 2 µg | 10 µg  
 Repeatability (5 g | 100 g): (±) 4 µg | 10 µg  
 Linearity (±): 20 µg  
 Calibration Type: isoCAL  
 Calibration Weight: 100 g  
 Pan Size Dimensions: 50 mm / 1.97" Ø

Model	US List Price (\$)
MSA116P-000-DH	23,670

## 66P

Capacity: 12 g | 61 g  
 Readability: 1 µg | 10 µg  
 Repeatability (2 g | 50 g): 2 µg | 10 µg  
 Linearity (±): 20 µg  
 Calibration Type: isoCAL  
 Calibration Weight: 50 g  
 Pan Size Dimensions: 30 mm | 50 mm / 1.18" | 1.97" Ø

Model	US List Price (\$)
MSA66P-000-DH	34,145

## 36P

Capacity: 6 g | 31 g  
 Readability: 1 µg | 10 µg  
 Repeatability (1 g | 20 g): (±) 1.5 µg | 8 µg  
 Linearity (±): 15 µg  
 Calibration Type: isoCAL  
 Calibration Weight: 20 g  
 Pan Size Dimensions: 30 mm / 1.18" Ø

Model	US List Price (\$)
MSA36P-000-DH	27,900

## 66S

Capacity: 61 g  
 Readability: 1 µg  
 Repeatability (2 g | 50 g): (±) 1.5 µg | 4 µg  
 Linearity (±): 20 µg  
 Calibration Type: isoCAL  
 Calibration Weight: 50 g  
 Pan Size Dimensions: 30 mm | 50 mm / 1.18" | 1.97" Ø

Model	US List Price (\$)
MSA66S-000-DH	37,250

## 36S

Capacity: 31 g  
 Readability: 1 µg  
 Repeatability (1 g | 20 g): (±) 1.5 µg | 2 µg  
 Linearity (±): 15 µg  
 Calibration Type: isoCAL  
 Calibration Weight: 20 g  
 Pan Size Dimensions: 30 mm / 1.18" Ø

Model	US List Price (\$)
MSA36S-000-DH	32,275

Cubis® Configured Upgrade Options	US List Price (\$)
Replace 00 certificate with TR certificate (example: MSA66S-OTR-DH)	100

Interface Module Options	US List Price (\$)
IB (Bluetooth)	220
IP (9-pin RS232 PS2)	220
IR (25-pin RS232)	220



MSA66S-000-DH

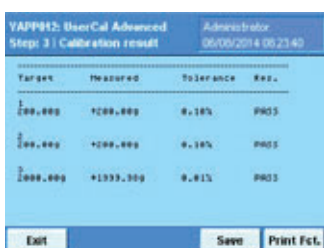
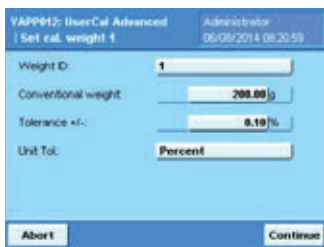
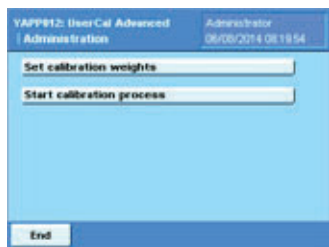
# Q-Apps – Specifications & Pricing

Model	Description	Application	US List Price (\$)
YAPP01	UserCal V1	User definable calibration routine with external weights	78
YAPP012	UserCal Advanced	User definable calibration routine with external weights and calibration history via HTML	560
YAPP02	USP V2	Determination of the operating range according to USP Chapter 41	153
YAPP022	USP Advanced	Software for determination of the operating range according to USP Chapter 41 with HTML evaluation	340
YAPP03	Backweigher Light V1	Simple differential weighing with automatic sample numeration (100 samples max.)	380
YAPP032	Backweigher Light V2	Simple differential weighing with lots batches and automatic sample numeration (5 × 100 samples max.)	455
YAPP033	Backweigher Light V3	Simple differential weighing with individual sample numeration	535
YAPP04	Pipette Check Light V1	Check calibrate fixed volume and variable piston pipettes according to ISO 8655 tolerances	380
YAPP042	Pipette Check Advanced	Test routine for easy and accurate testing of pipettes with HTML evaluation for the last check	645
YAPP05	Formulation V1	Simple formulation with integrated recipe memory	535
YAPP06	Tablet Checker V1	Tablet checker according to Pharmacopeia standards	755
YAPP10	Residual Dirt Analysis	Gravimetric determination of residual dirt according to VDA19, with individual Sample ID (alphanumeric)	985
YAPP11	QR and Barcode Label Creator	Requirement for printing labels on the YDP30 printer	220
YAPP12	Easy ID	Simple weighing application with individual alpha-numeric sample ID	76
YAPP14	NTP Synchronizer	Automatic date and time synchronization with an NTP server	630
YAPP16	Dosing	Preparation of stock solutions (standards) with defined concentrations	1,920
YAPP100	Web Services	Activation license for web services	380

## Example... Q-App: UserCal Advanced

Guided external calibration process with up to 5 definable weights.

The workflow has two levels, an administrator and a user level. Administrators are allowed to define up to 5 different weight values, including the ID, value and permissible tolerances. Users are only allowed to perform the calibration process. The process runs automatically and the user is guided through the calibration process. Data acquisition and evaluation are done automatically. Documentation can be performed on a Sartorius printer and/or via Ethernet on the basis of Q-Web with HTML visualization.



# Cubis® High- Capacity Micro Balance Accessories

Item	Description	US List Price (\$)
<b>Printers, Cables and Data Communication</b>		
YDP30	Premium GLP lab printer (paper not included)	1,530
69Y03285	Standard paper & ink ribbon set for YDP30 (fade-resistant)	73
69Y03286	Self-adhesive paper & ink ribbon set for YDP30 (fade-resistant)	78
69Y03094	Self-adhesive labels, 58 x 100 mm (350 pcs)^	63
69Y03093	Self-adhesive labels, 58 x 76 mm (500 pcs)^	49
69Y03092	Self-adhesive labels, 58 x 30 mm (1,000 pcs)^	47
YDP10-OCE	Cubis Data printer, includes cable	1,095
YDP20-OCE	Data Printer, with statistics and time date functions, includes cable	1,225
6906918	Ink Ribbon, fits YDP10 and YDP20	39
6906937	Paper (pkg of 5 rolls), fits YDP10 and YDP20	34
YCC05-001M2	Cable, 25-pin to 9-pin RS232, 5 ft.	109
YCC05-001M5	Cable, 25-pin to 9-pin RS232, 16 ft.	119
YCC05-001M10	Cable, 25-pin to 9-pin RS232, 33 ft.	145
YCC05-001M15	Cable, 25-pin to 9-pin RS232, 49 ft.	162
YCC01-USBM2	Cable, 25-pin RS232 to USB, 6.5 ft.	160
YCC01-MSD3	Extended Cubis display cable for MSA MSU, 3 m	260
YCC01-MSED3	Extended Cubis display cable for MSE, 3 m	260
YSW02	Sartorius Wedge for Windows (no cable included)	550
YDO01MS-B	Field Upgradeable Interface Module for Cubis, Bluetooth (wireless connection; same as IB option)	230
YDO01MS-P	Field Upgradeable Interface Module for Cubis, 9-pin RS232 PS2 (connection to PC & keyboard or barcode scanner; same as IP option)	230
YDO01MS-R	Field Upgradeable Interface Module for Cubis, 25-pin RS232 (same as IR option)	230
VF4466	Optional External Interface Box for Cubis Prec HiCap; requires Field Upgradeable Interface Module	on request
<b>Power Supply and Line Cords</b>		
6971987	Power Supply for Cubis, 100-240 V	200
6900901	Line cord for Cubis, 120 volt (USA)	30
<b>Displays and Input Output Devices</b>		
YAC01MSA	MSA Display and Control Unit, color touchscreen	3,545
YAC01MSE	MSE Display and Control Unit, with backlit LCD and tactile keys	1,065
YBR04PS2	QR and Barcode Reader, with PS2 connecting cable^	1,485
YHS01MS	Infrared sensor for touch-free activation of functions	315
YHS02	Hand Switch w/T-Connector, for remote control of print, tare, cal, F, CF or toggle key	505
YFS01	Foot Switch w/T-Connector, for remote control of print, tare, cal, F, CF or toggle key	455
YPE01RC	Foot Switch w/T-Connector, for open close door, tare & print	800
YRD03Z	Additional Remote Display (LCD), backlit (fits RS232), 3 ft.	555

Item	Description	US List Price (\$)
<b>Extended Warranty, Installation and IQ/OQ (for more info, see page 204)</b>		
84WAL01	12-month precision balance extended warranty	335
84ICL01	Precision balance installation $\geq 0.001g$	285
84QAL01	Precision balance IQ/OQ	1,210
84CGNA	USP Chapter 41 Certificate	103
84CENC	ISO 17025 Measurement Uncertainty Certificate	137
<b>Installation and IQ/OQ pricing are only valid for the continental United States. Travel and expenses are not included in the prices listed above.</b>		
<b>Filter Weighing and Anti-Static Accessories</b>		
YIB02-115V	Ionizer with U-shaped electrode (incl. power supply 115V)	2,905
YIB01-OUR	Ionizing Blower (neutralizes static charges)	1,895
YSTP01	Stat Pen (neutralizes static charges)	2,000
<b>Weighing Accessories</b>		
69EA0040	Below balance weighing hook	39
YDH02MS	Display holder for Cubis Precision High-Capacity models for raising MSE, MSU & MSA displays	585
YBW01S	Small Weigh Boat, anti-static polystyrene with pour spout (1.375" x 1.875" x 0.5"), 50/pkg	23
YBW01M	Medium Weigh Boat, anti-static polystyrene with pour spout (2.875" x 4.75" x 1.25"), 50/pkg	26
YBW01L	Large Weigh Boat, anti-static polystyrene with pour spout (3.875" x 6.625" x 1.125"), 50/pkg	29
YBW01K	Weigh Boat Kit, anti-static polystyrene with pour spout, 30/pkg (10x each of S, M, L)	59
U1-LD2	Locking Device, anti-theft	90
6960MS01	Cubis Display Protection Cover, for MSA/MSU	83
6960MS05	Cubis Display Protection Cover, for MSE	70
U1-21201315	Granite Platform (13" x 15") with vibration isolators	735
U1-24201621	Granite Isolator (16" x 21") with vibration isolators	1,385

^ for YDP30 & Q-App YAPP11 only

† Requires VF4466

\* requires Bluetooth® interface module (Cubis® only)



YDP30 Thermal Transfer Printer

# Cubis<sup>®</sup> MSA Dosing System

## Makes the Preparation of Standards Easy and Reliable

The Cubis<sup>®</sup> MSA Dosing System and YAPP16 Q-App software simplifies workflows in the preparation of analytical standards. The system guides the user step-by-step throughout the entire process and automatically performs all calculations in the background to determine the exact concentration to prevent errors. Prepare standards with confidence in accuracy, consistency and traceability.



## Features

### Automated Preparation of Standards

YAPP16 Dosing Q-App software connects your Cubis<sup>®</sup> MSA balance directly to your dispenser and will then accurately calculate the required solvent volume based on the quantity of solid weighed.

### Documentation of Test Procedures

The YAPP16 Q-App will guide you step-by-step throughout your workflow and digitally document the entire process in a traceable, easy-to-understand record.

### Reliable Planning of Simple Workflows

Forget delays caused by the need to take corrective steps. Now you won't have to be prepared for the unexpected – thanks to automated and fast preparation of 100% consistent standards, including reliable documentation.

### Modularity

The balance can be configured according to your specific requirements.

### Intelligent isoCAL calibration system

100% certainty that your balance is always correctly calibrated and adjusted.

### Automation Interface for Chromeleon<sup>™</sup> 7.2 CDS

The YAPP16 Dosing Q-App has an interface port for Thermo Scientific<sup>™</sup> Chromeleon 7.2 Chromatography Data System software, which enables data management of chromatographic systems, simplified run creation/data analysis, and direct transfer of the verified concentration of calibration standards.

### Configurable Printouts

Choice between GLP-compliant and standard printouts, as well as label printouts.

## Benefits

### Perfectly Integrated System

Highly accurate weighing with the Cubis<sup>®</sup> MSA balance and dispensing of solvents using automatic dispensers, electronic or manual pipettes.

### Versatile, Automatic Preparation of Standards

Preparation of individual standards and mixed standards with automatic adjustment of the solvent volume to the actual weight of a compound for maximum efficiency and time savings without compromising accuracy or precision.

### Proven Valid Results

Automatic calculation of the verified volume and concentration(s).

### Integrated Software Application

Controls system components with the YAPP16 Dosing Q-App. No separate computer is necessary.

### Flexible and Reliable

Create an individual library of solvents and compounds along with specifications on purity, lot, molecular weight, density and supplier.

### Cost- and Time-Efficient

Automated processes eliminate unnecessary waste of solvents or compounds and no need for high-maintenance glassware.

### Standardized Process with Controlled Workflows

Consistent preparation of standards, independent of the particular lab analyst, 100% compliance with your SOPs.

### Audit Trail

Systematic monitoring and documentation of process steps for traceability in compliance with GLP and accredited procedures.



The Cubis® MSA Dosing System is custom-configurable from a choice of components. Configuration options are as follows:

- Cubis® MSA: Modular, configurable high-resolution balances for accurate determination of the mass of liquid, paste-like, powdered or solid materials. Cubis® MSA balances already installed can be easily retrofitted to readily convert them into dosing systems. Recommended MSA models: 116P, 66S, 66P, 36S, 36P, 6.6S, 225S, 225P, 125P, 224S or 124S.
- YAPP16: Dosing application software for Cubis® MSA balances to prepare standards of a defined concentration
- Dispenser: The solvent can be dosed manually using a pipette or automatically with either the Hamilton Microlab dispenser or the Hirschmann opus® titration unit
- Density meter: The Anton Paar DMA 35 density meter can be implemented to measure the density of solvents
- Printer: Connect the YDP30 thermal transfer printer to document the results on your choice of standard or self-adhesive fade-resistant paper
- Sample holder: Various sample holders are available to accommodate the containers you use
- NOTE: If using an automatic dispenser and YDP30 printer, two serial ports are needed. Please either configure balance with IR or select YDO01MS-R

## Specifications & Pricing

Model	Description	US List Price (\$)
YDU-10	Hamilton MICROLAB 630 Complete Package Includes: Hamilton MICROLAB 630 Dispenser with 25mL syringe, tip hand probe, tubing and 1L solvent bottle (4) with safety cap	13,825
YDU-11	Hamilton MICROLAB 630 Complete Package w/ Density Meter Includes: Hamilton MICROLAB 630 Dispenser with 25mL syringe, tip hand probe, tubing, 1L solvent bottle (4) with safety cap and Anton Paar DMA 35 Density Meter with calibration certification	16,965
69Y03295	RS-232 cable (required for Dispenser)	96
<b>Options</b>		
YDU-5	Hamilton 10 ml Syringe	335
YDU-6	Hamilton 50 ml Syringe	695
<b>For Hirschmann opus® Titrators</b>		
YDU-12	Hirschmann opus® titrator, 10 mL (Accessories Set I or II required)	2,515
YDU-13	Hirschmann opus® titrator, 20 mL (Accessories Set I or II required)	2,515
YDU-14	Hirschmann opus® titrator, 50 mL (Accessories Set I or II required)	2,515
YDU-15	Hirschmann opus® Accessories Set I Includes: Base set for adapter with filler neck and bottle adapter, opus® system platform, opus® RS232 connection cable, Suction hose (2 m), return hose (2 m), Bottle adapter (GL45) with 2 ports for suction and return hose	815
YDU-16	Hirschmann opus® Accessories Set II - Includes: opus® System platform, opus® RS232 connecting cable	345
69Y03295	RS-232 cable (required for opus® titrator unit)	96
<b>Additional Accessories</b>		
YDU-20	SD-Card, 8GB (required for Q-App)	12
YDO01MS-R	Field Upgradeable Interface Module for Cubis®, 25-pin RS232	230
YFH01MS	Q-Grip, flask holder for Cubis® analytical and semi-micro balance	425
YAPP16	Cubis® Dosing Q-App software (standard on MSA116P model)	1,920
YDP30	Premium GLP thermal transfer lab printer (paper not included)	1,530
69Y03285	Standard paper & ink ribbon set for YDP30 (fade-resistant)	73
69Y03286	Self-adhesive paper & ink ribbon set for YDP30 (fade-resistant)	78
YDU-9	DMA 35 Density Meter	4,370



# Cubis® MPS- Manual Pipette Calibration System

The perfectly balanced system designed to reconcile all your needs for accuracy, precision, speed and convenience in pipette calibration. Accuracy and precision to comply with international regulations (DIN EN ISO 8655); speed to meet requirements for cost and time-efficient performance; and convenience for working in a comfortable posture.

## Features & Benefits

- Motion Control. Quick opening of the draft shield: convenient and efficient pipetting
- Integrated humidity sensor. Monitors humidity inside the weighing chamber
- White LED light. Illumination of the full weighing area
- Red LED light. Instant alert if climate parameters are out of tolerance
- Automated draft shield door. Prevents evaporation for error-free measurements
- Evaporation trap. Stable humidity conditions inside the weighing chamber
- Accessories for MPS. Improve accuracy and efficiency with Climate Module, Liquid Reservoir and Suction Pump



## Speedcal Mobile

Speedcal Mobile is suitable for calibrating multi-channel pipettes. Its innovative design and sophisticated technology simplify the entire calibration process. Parallel connection of up to 12 balances, which simultaneously determine the dispensed volumes from a multi-channel pipette, make Speedcal Mobile the fastest and most effective system on the market for this task.

## Features & Benefits

- Ideal for testing multi-channel pipettes with a nominal volume of more than 10 µL
- The entire test of twelve channels in compliance with DIN EN ISO 8655 10.3 (= 360 individual measurements) takes only around 10 minutes or less to complete, which saves time and money
- Unique system, available with either 4, 8, or 12 channels, with the option of subsequently adding up to 12 channels at any time that simultaneously measure the weight of the test liquid volumes dispensed by a multi-channel pipette
- Web Service interface enables Speedcal Mobile to be used with any pipette calibration software
- Dual-use design: for continuous use in the lab and field
- Sartorius Climate Tower and Water Reservoir can be readily connected to Speedcal Mobile for measuring climate data real time for better accuracy



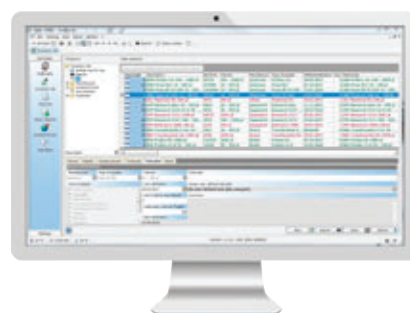
## Specifications & Pricing

Model	Description	US List Price (\$)
MPS6.6S	Cubis®MPS Pipette Calibration Balance, 6.1 g x 1 µg	26,150
MPS105S	Cubis® MPS Pipette Calibration Balance, 101 g x 0.01 mg	17,170
Speedcal-M4	Speedcal Mobile 4-Channel Pipette Calibration Balance	42,025
Speedcal-M8	Speedcal Mobile 8-Channel Pipette Calibration Balance	78,795
Speedcal-M12	Speedcal Mobile 12-Channel Pipette Calibration Balance	111,365
YCP05-LR01	Liquid Reservoir with DAkkS calibrated temperature sensor for MPS & Speedcal Mobile units	1,375
YCP05-SP01	Suction Pump to aspirate container for MPS & Speedcal Mobile units	2,070
YCM20MC	Climate Module, uncalibrated for MPS & Speedcal Mobile units (requires YCM20MC-Tower)	650
YCM20MC-DAKKS	Climate Module, with DAkkS Calibration for MPS & Speedcal Mobile units (requires YCM20MC-Tower)	2,265
YCM20MC-Tower	Tower for mounting Climate Module for MPS & Speedcal Mobile units	1,000

## Pipetto- Pipette Calibration Software

### Professional pipette calibration software to manage your pipette data

A professional pipette management solution available in three different versions: Basic, Standard, and Pro. All three software solutions are exceptionally easy to use. Pipettes can be selected and calibrated with a few clicks. Standard and Pro versions both have network capability and user management features, including individual task assignment options.



- Complete ease of operation. Select and calibrate pipettes quickly and easily
- Calibration software for single and multi-channel pipettes, dispensers, burettes, etc.
- Seamless integration with your Cubis® MPS and Speedcal Mobile system
- Compatible with all standard balances
- Up-to-date pipette database
- PCOM Box (Peak Climate Online Monitor) is an optional hardware unit for recording environmental climate conditions directly into the software to convert the gravimetric data during calibration for more accurate results

**Basic version.** Simple and specially designed for small in-house calibration laboratories that comply with ISO 8655.

**Standard version.** Ideal for calibration laboratories with multiple workstations that comply with ISO 17025.

**Pro version.** The optimum solution for accredited calibration laboratories that comply with ISO 17025 and FDA 21 CFR Part 11.

## Specifications & Pricing

Model	Description	US List Price (\$)
PI20301-S	Pipetto version 1.1 Basic with 1 dongle	1,570
PI20201-S	Pipetto version 1.1 Standard with 1 dongle	2,965
PI20202-S	Pipetto version 1.1 Standard with 1 PCOM box and 1 dongle	3,760
PI20203-S	Pipetto version 1.1 Standard with 1 DAkkS PCOM box and 1 dongle	4,475
PI20101-S	Pipetto version 1.1 Pro with 1 dongle	5,590
PI20102-S	Pipetto version 1.1 Pro with 1 PCOM box and 1 dongle	5,820
PI20103-S	Pipetto version 1.1 Pro with 1 DAkkS PCOM box and 1 dongle	6,655
PI20404-S	Pipetto expansion module – MPS (for Standard or Pro version only)	995
PI20402-S	Pipetto expansion module – Speedcal (for Standard or Pro version only)	955
PI20403-S	Pipetto expansion module – expanded measurement uncertainty (for Pro version only)	860

# Manual Mass Comparators

## Your Full-range Mass Standards Laboratory

The manual Cubis® MCM Mass Comparators are the first devices on the market that unite metrological weighing competence with an integrated control of workflows in line with the recommendations of OIML and ASTM. The workflow is ergonomically optimized giving the user a more relaxed working atmosphere, which minimizes the error rate during operation.



## Features & Benefits

**Incorporated Workflow Control.** Provides user-guided workflows with step-by-step instructions to perform mass calculation, which reduces operator error and increases the accuracy of the results.

**Climate Sensor.** Integrated into the draft shield, logs temperature, humidity and air pressure for calculating air buoyancy correction at the site of measurement.

**Fast Methodology.** Delivers fast-run method cycles (ABA, ABBA or AB1...BnA) for determining the conventional value of mass (also referred to as conventional mass and its combined standard uncertainty).

**Color Touchscreen.** Features a Cubis® MSA display and control unit with color touchscreen for fast and simple configuration of parameters and workflows.

**Automatic Uncertainty Calculation.** The measurement uncertainty is determined in full accordance with OIML and ASTM recommendations. No external software or a climate measuring station is required.

**Off-Center Load Compensation.** Significantly reduces measurement errors when the load is off-center. Therefore, no automatic centering is usually necessary and the loading is much easier.

**Leveling Status is Constantly Monitored.** Automatically detects when the balance is skewed and provide graphic support during leveling\*.

**Diverse Communication Possibilities.** Data interfaces, like USB, RS232 and Ethernet enable nearly all forms of bidirectional communication. Parameter and data can be stored on an SD card then transferred to a PC or MCM.

\* also available as option on models MCM2004, MCM5004 and MCM5003





## Specifications & Pricing

Model	Capacity	Readability	Repeatability*	Linearity	Electronic Weighing   Taring Range	Substitution Weight	Pan Size (mm/in.)	US List Price (\$)
MCM6.7	6.1 g	0.1 µg	0.15 µg	1 µg	6.1 g	-	16/0.6 Ø	on request
MCM36	31 g	1 µg	1 µg	6 µg	31 g	-	30/1.2 Ø	on request
MCM66	61 g	1 µg	1 µg	8 µg	61 g	-	30/1.2 Ø	on request
MCM106	111 g	1 µg	1 µg	8 µg	61 g	50 g	50/1.97 Ø	on request
MCM605	610 g	0.01 mg	10 µg	100 µg	610 g	-	90/3.5 Ø	on request
MCM1005	1,110 g	0.01 mg	15 µg	100 µg   600 g	610 g	500 g	90/3.5 Ø	on request
MCM1004	1,110 g	0.1 mg	0.05 mg	0.1 mg   600 g	610 g	500 g	90/3.5 Ø	on request
MCM2004	2,500 g	0.1 mg	0.05 mg	1 mg	2,500 g	-	136 x 136/5.4 x 5.4	on request
MCM5004	5,100 g	0.1 mg	0.3 mg	2 mg	5,100 g	-	136 x 136/5.4 x 5.4	on request
MCM5003	5,100 g	1 mg	0.5 mg	3 mg	5,100 g	-	136 x 136/5.4 x 5.4	on request
MCM10K3	11 kg	1 mg	0.8 mg	6 mg	11 kg	-	200 x 200/7.9 x 7.9	on request
MCM40K3	41 kg	1 mg	2 mg	20 mg	41 kg	-	400 x 300/15.7 x 11.8	on request
MCM60K3	64 kg	2 mg	4 mg	40 mg	64 kg	-	400 x 300/15.7 x 11.8	on request
MCM60K2	64 kg	10 mg	6 mg	50 mg	64 kg	-	400 x 300/15.7 x 11.8	on request

\*Repeatability is the standard deviation "s"; it is calculated from 5 ABA cycles, after eliminating drift; based on optimal conditions: automatic measurement without operator influence measured in a laboratory under E1 conditions, on a decoupled weighing stone, no drafts from above.



# CCR-Compact Robotic Systems

## High Throughput Mass Determination

Table-top sized automated solutions for mass determination or dissemination processes up to 10 g maximal capacity. With 120 magazine positions, these systems offer a walkaway solution allowing continuous processing of the measurements overnight or over the weekend. Designed for simultaneous management of reference and test weights, the Sartorius dual robotic arm system with the patented multi and single weight handlers speeds up the processes with its efficient motion sequences.



## Features

### **Automated Weight Handling from 1 mg to 10g**

Eliminates the error rates of manual handling but significantly increase productivity which consequently leads to cost-savings long term.

### **High-throughput Allows Weekend Processing and Releases Resources.**

120 magazine positions enable loading of large number of weights and allow continuous processing of the measurements overnight or over the weekend. The magazine was designed to directly hold any possible shapes used for OIML-class and ASTM-class weights with no need for additional weight carriers or weight holders.

### **Unique Robotic Arm Technology for Efficient Motion Sequences.**

The Sartorius dual robotic arm system with the patented multi and single weight handlers was designed for simultaneous management of reference and test weights. No need for returning the weights to the magazine or in a parking position

### **Integrated Climate Sensor**

Built-in sensor means that the parameters for temperature, humidity and atmospheric pressure are measured at the exact location of the mass determination, therefore guaranteeing the most accurate correction for air buoyancy.

### **Error-free Weight Sorting**

Designed especially for these systems, allows an easy and error free processing of the large number of weights. Each row and column is labelled and is identically to the labeling on the weight magazine. Additionally, each row is removable which further support an intuitive and efficient weight handling.

## Benefits





- 120 magazine positions allow overnight and weekend processing
- Dual Robotic Arm Technology guarantees the most efficient motion sequences available on the market
- Table-Top design saves prestigious laboratory space
- Robustness assure best repeatability values
- Built-in Climate Sensor directly in the weighing cells to further support measurement accuracy
- 3 Models fulfill your workflow requirements



## Specifications & Pricing

Model	Capacity	Readability	Repeatability	Magazine Positions	Robotic Arm Technology	Weight Handlers	Dimensions (W x D x H, mm)	US List Price (\$)
CCR10.7-C	10 g	0.1 µg	0.2 µg	120	Dual Arm System	1 Multi & 1 Single	1200 x 800 x 760	on request
CCR10.6-C	10 g	1 µg	0.5 µg	120	Dual Arm System	2x Single	1200 x 800 x 760	on request
CCR6.7C	6 g	0.1 µg	0.2 µg	120	Dual Arm System	1 Multi & 1 Single	1200 x 800 x 760	on request

## Accessories

Model	Description		US List Price (\$)
YWT12	Weighing Table made of granite, weight: 680 kg Dimensions (W x D x H, mm) 800 x 1200 x 800		on request
YWT13	Weighing Table made of granite and steel, weight: 330 kg Dimensions (W x D x H, mm) 800 x 1200 x 800		on request
YCM20MC-Tower	Climate tower monitors the influencing variables of the environment (temperature, pressure, and humidity)		on request
YCM20DAKKS	DakkS calibration certificate for climate sensors		on request
YAW10CCR-C	Weight sorting plate with removable trays for easy and error free processing of the large number of weights. Each row and column is labelled and is identical to the labelling on the weight magazine		on request
YSN03C   YSN03NC YSN03RC	PC Software ScalesNet-M		on request
YCW322-02	2 g Class E2 with DAkkS calibration certificate for model CCR10.7-C		on request
YCW412-02	10 g Class E2 with DAkkS calibration certificate for model CCR10.6-C		on request
YCW352-0	5 g Class E2 with DAkkS calibration certificate for model CCR6.7-C		on request