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# Orion Cahn® C-35 & C-34 Microbalances

## What's our secret?

At the heart of every Cahn microbalance is a symmetrical, lightweight alloy beam, coupled to a rugged platinum taut-band suspension.

This allows for a unique combination of stability, sensitivity and durability.



## Cahn Microbalance and Ultra-Microbalance Orion Cahn C-34, C-35

- The World Leader in Gravimetric Applications
- Large Weighing Chamber for Samples up to 60 mm in Diameter
- Stable readings in seconds

Orion Cahn Microbalance and Ultra-Microbalances fit any of your weighing needs. These balances offer a wide dynamic weighing range virtually eliminating the need for tare weights. The C-35 Ultra-Microbalance can weigh a 250 mg sample to 1  $\mu\text{g}$  or a 25 mg sample to 0.1  $\mu\text{g}$ . Orion Cahn C-34 and C-35 have a large, universal access

weighing chamber, dual pans, and many other features in an easy-to-use package. Orion Cahn balances use the CERTI-CAL™ system for weighings traceable to national standards and RS232 communication.

# Orion Cahn® C-35, C-34

## Orion Cahn C-35, C-34 Specifications

	C-35	C-34	Benefit
Capacity	3.5 g	3.5 g	Weigh a variety of samples
Weigh Range (0.1 µg precision)	25 mg	--	
Weigh Range (1 µg precision)	250 mg	250 mg	Quick weighing over the entire range
Weigh Range (10 µg precision)	1250 mg	1250 mg	
Readability	0.1/1.0/10.0 µg	1.0/10.0 µg	High sensitivity
Reproducibility	0.1 µg	1.0 µg	Great precision
Linearity	0.1 µg	1.0 µg	Readings you can trust
Tare Range	1250 mg/3.5 g	1250 mg/3.5 g	Can handle almost any container
Response Time	10 sec	10 sec	Quick and stable readings
Output	RS232	RS232	Bi-directional RS232
Pan Size	Up to 60 mm	Up to 60 mm	Large sample sizes
Housing Size (cm)	24.5 x 30 x 19	24.5 x 30 x 19	Small foot print
Weighing Unit (cm)	13 x 30 x 21	13 x 30 x 21	
Net Weight	10 Kg	10 Kg	
Power	100 to 240 VAC	100 to 240 VAC	
Separate Weighing Chamber	Yes	Yes	

## Orion Cahn C-35, C-34 Ordering information

Orion #	Description of Balance and Accessories
10935-01	C-35 Ultra-Microbalance, 3.5 g capacity, 3 weighing ranges. Power selection for 100, 120, 220, 240 V, 50/60 Hz
10934-01	C-34 Microbalance, 3.5 g capacity, 2 weighing ranges. Power selection for 100, 120, 220, 240 V, 50/60 Hz
01269-01	Ionizing Unit, eliminates static charge on balance surfaces and samples, 12 months of useful life
10407-01	Microbalance Accessory Pack for use with C-34 & C-35. Contains micro-spatula, 19 mm open & 22 mm platform stirrups, (100) 12 mm Al pans, (20) 25 mm Al pans, non-magnetic forceps, and 200 mg Class 1.1 calibration weight
02027-01	Anti-Static Solution, 6 oz. bottle, eliminates static charge on balance surfaces
01577-01	Forceps, non-magnetic stainless steel, for handling Class 1.1 weights and filter samples
10406-01	Spatula, vibrating
12555-01	Interface Cable, RS232, null modem for C-33, 34, 35
01427-01	Weight, 100 mg, flat, Class 1.1
01540-01	Weight, 200 mg, flat, Class 1.1
06137-01	Weight, 1 g, flat, Class 1
02888-01	Tare Set, 1-500 mg Includes: (1) 1 mg, (2) 2 mg, (1) 5 mg, (1) 10 mg, (2) 20 mg, (1) 50 mg, (1) 100 mg, (2) 200 mg, (2) 500 mg, tare weights
01187-01	Pan, Al, 12 mm, each ~ 17 mg, 20/pk
01187-02	Pan, Al, 12 mm, each ~ 17 mg, 100/pk
01568-02	Pan, Al, 25 mm, each ~ 35 mg, 20/pk
02034-01	Weighing Cup, Teflon, ~ 51 mg, 15 x 11 mm
02034-48	Weighing Cup, Teflon, 1.8 mL, ~ 60 mg, 48/pk
14076-01	Boat, Al, 130 mg, 10/pk
01129-01	Stirrup, open, 19 x 19 x 9 mm, 8 mg
09353-02	Stirrup, platform, 22 x 41 x 20 mm
04741-01	Stirrup, platform, 60 x 20 x 38 mm