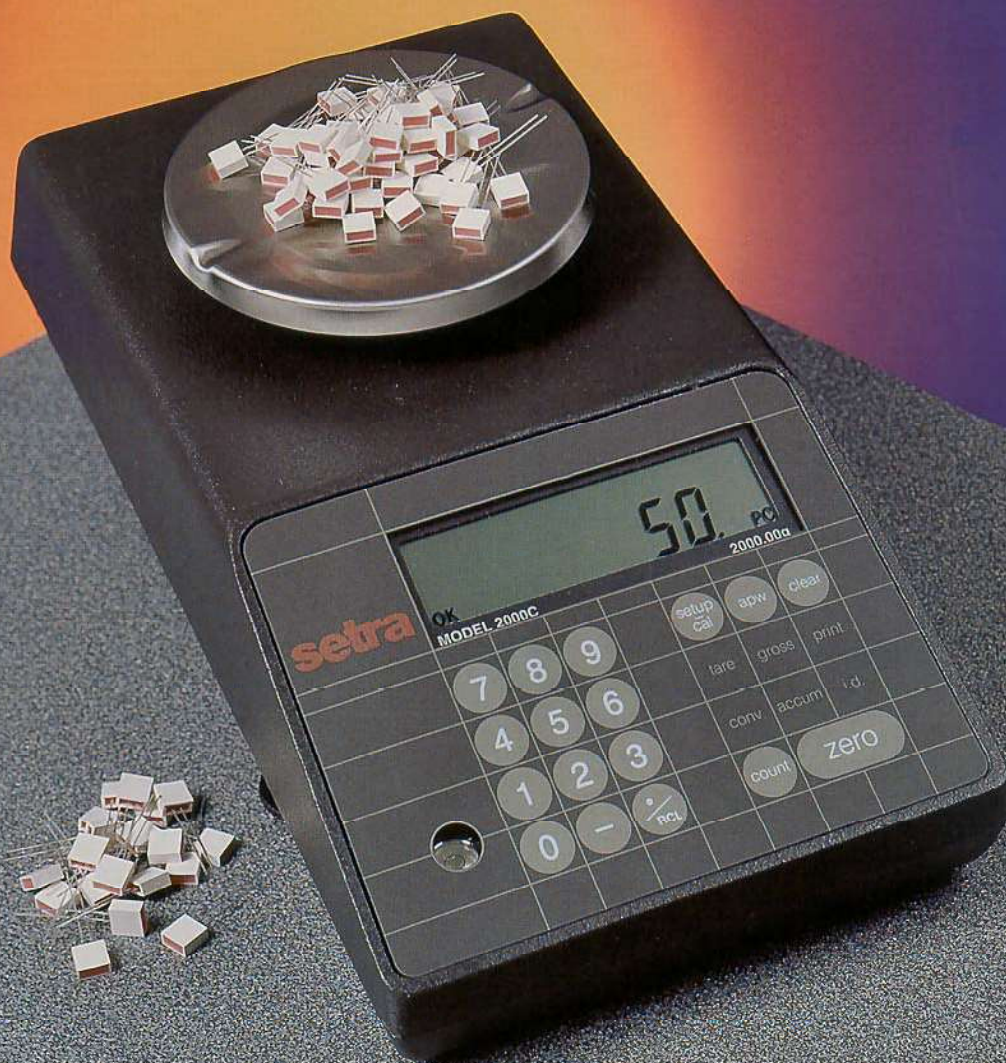


C Series



Setra's highest resolution counting scales, the C Series, are versatile scales that combine ultra-high counting and weighing resolution with heavy duty construction.

Using Setra's award-winning variable capacitance ceramic load cell and microprocessor, the C Series offers counting resolution as minute

as one part per million and weighing resolution as fine as one part in 500,000.

The C Series scales are available in four weighing capacities, ranging from 500 to 12,500 grams. Each model has a variety of features, including a full function keyboard, supervisor control capability,

bidirectional RS-232 communications and bar code system compatibility for reduced labor costs and increased counting accuracy.

With Setra's technology, no part is too small to count. The C Series can calculate average piece weights based upon a very small number of lightweight parts.

setra
The technology leader in precision weighing

C Series - Features and Benefits



Unique variable capacitance ceramic load cell technology, developed and patented by Setra, is the reason for the C Series' high weighing accuracy. Coupled with an on-board microprocessor running Setra's custom software, C Series scales use high internal resolution to produce extremely accurate counts with relatively small sample sizes.

Versatile full function keyboard operation provides numerous counting and weighing functions. In addition to simple sampling, reverse counting and accuracy enhancement, the numerical keys allows entry of average piece weight (APW), tare weight, operator ID and other information. Functions such as accumulation, selectable integration time, and multiple units of measure add to the flexibility of the scale.

Supervisor control capability permits the supervisor to program the minimum accuracy and minimum sample size. Higher accuracy settings cause the scale to prompt the operator for larger hand-counted samples, ensuring that sufficient sample weight is used. The minimum sample size control helps reduce errors due to part non-uniformity. Yet thanks to Setra technology, the C Series scales require comparatively small sample sizes for a given accuracy level.

Count or weight accumulation is a feature which adds to scale memory the weight or count from each transaction. The scale keeps track of how many entries are made, and the RECALL key makes it easy to determine the sum total of all entries.

Computer and printer interface is possible via the RS-232 port. Valuable information such as the average piece weight may be quickly downloaded from a data base. It can then be combined with count or weight data from the scale and printed.

Specifications

Setra 500C

Capacity	Maximum Readability	Precision (std.dev.)
500 g	0.001 g	± 0.001 g
17.5 oz	0.00005 oz	± 0.00005 oz
1.10 lb	0.000002 lb	± 0.000002 lb
Counting Resolution	1 part in 1 million	
Pan Size	5" diameter (130 mm)	

Setra 2000C

Capacity	Maximum Readability	Precision (std.dev.)
2000 g	0.01 g	± 0.005 g
70.5 oz	0.0005 oz	± 0.0002 oz
4.4 lb	0.00002 lb	± 0.00001 lb
Counting Resolution	1 part in 1 million	
Pan Size	5" diameter (130 mm)	

Setra 5000C

Capacity	Maximum Readability	Precision (std.dev.)
5000 g	0.01 g	± 0.015 g
175 oz	0.0005 oz	± 0.0005 oz
11 lb	0.00002 lb	± 0.00003 lb
Counting Resolution	1 part in 750,000	
Pan Size	6.25" diameter (130 mm)	

Setra 12000C

Capacity	Maximum Readability	Precision (std.dev.)
12,500g	0.1 g	± 0.05 g
440 oz	0.005 oz	± 0.002 oz
27.5 lb	0.0002 lb	± 0.0001 lb
Counting Resolution	1 part in 750,000	
Pan Size	7.75" x 6.75" (195 x 170mm)	

Options & Accessories

Bar code system compatibility lets C Series scales interface with Setra's Auto Count™ 200 for bar code scanning and printing. This feature minimizes the chance of sampling error, increasing counting accuracy. Since scanning is much faster than hand counting, the Auto Count dramatically reduces labor costs (p/n 404150).

Battery operation for portability is possible through use of an optional external NiCad rechargeable battery (C/L Battery Kit).

	Part Number
Draftshield (500C, 2000C only)	403910
DYMO™ Setra 300 Label Printer	401160
Security Lock Kit	400496
Dust Cover	401906

General Specifications

Counting Accuracy:

Selectable from 90% to 99.99%

Minimum Sample Size:

Selectable from 1 to 1000+ pieces

Display Update:

Up to 5 times per second

Display Units:

grams, ounces, pounds, troy ounces, pennyweights, carats, two user defined units

Response Time:

<2 seconds (typical)

Counting Capacity:

999,999 pieces

Data Communications:

Bi-directional RS-232

Keyboard Selectable Baud Rates:

300, 600, 1200, 2400, 4800, 9600

Display:

6 Digit LCD, long -life

Platform:

Stainless Steel

Operating Temperature:

50° to 104° F
(10° to 40° C)

Power Requirements:

120 VAC 50 or 60 Hz
5 watts (battery option available)

Weight:

11 lb (5 Kg)

Dimensions:

7.0" w x 14.5" l x 5.0" h
(180 x 365 x 130 mm)

Shipping Weight:

17 lb (7.7 Kg)

Additional Features

- ▶ Full scale taring and zeroing
- ▶ Auto zero tracking
- ▶ Motion/instability indicator
- ▶ Overload and shock protection
- ▶ Easy calibration through keyboard
- ▶ Resists humidity and temperature fluctuations
- ▶ Rugged cast aluminum housing
- ▶ Two-year warranty

Specifications are subject to change without notice.

Made in the U.S. A.

WSDCS Rev D 7/01



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