

# 420

## SERIES

## DIGITAL PRECISION BALANCE SCALES



Model  
420-3000  
with larger  
size platform



Model 420-100



Air shield  
included  
with all models,  
except 420-3000

### FEATURES:

- Intuitive and easy to use
- Accuracy to 10 milligrams
- Air shield included for precise measurement (included with all models except 420-3000)
- Counting mode
- 8 different units of measure
- RS232 serial port for printer output
- Nearly one-inch-high (23-mm-high) bold digits with blue backlight
- Polycarbonate body with stainless steel tray
- Built-in rechargeable battery included
- Class II legal for trade

### 420 Digital Precision Balance Usage:

- Weighing herbs, gourmet coffee and tea shops, jewels, and precious metals (gold and silver) in retail business with 10, 20, or 50 mg precision.
- Weighing chemicals, powders in laboratories (schools, universities, industrial and agricultural).
- Hospital use weighing blood bags (blood and blood components), patient medical waste samples, and pill counting in hospital pharmacies.
- Weighing ingredients for recipe making, baking (especially pastry shops), and soap making.
- Inventory counting for small high value items (electronic components, jewels) with 10, 20, or 50 mg precision.
- Counting prize tickets and/or game coins (tokens) at gaming centers.



 **DETECTO**  
[www.Detecto.com](http://www.Detecto.com)

(Excluding models 420-100 and 420-2000)

Bulletin No. D299A

# DETECTO'S 420 SERIES IS IDEAL FOR WEIGHING HERBS, PRECIOUS METALS, COFFEE/TEA, AND HOSPITAL USE.



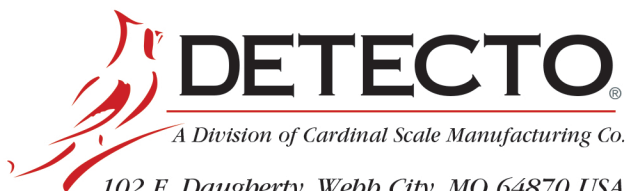
DETECTO's 420 series scales weigh in grams, kilograms, metric carats, avoirdupois drams, avoirdupois ounces, avoirdupois pounds, grains, and penny weight.

MODEL	SPECIFICATIONS	
420-100	Capacity and Division Value	100 g x 0.01 g
420-2000		2000 g x 0.02 g
420-600	Capacity x Verification	600 g x e = 0.1 g / d = 0.01 g
420-1200	Interval "e" / Division "d"	1200 g x e = 0.2 g / d = 0.02 g
420-3000		3000 g x e = 0.5 g / d = 0.05 g
Weight Display		Seven-digit, seven segment LCD, 0.9-inch (23 mm) high digits with blue backlight
Functions		Weight, Counting
Keys		ON/OFF, TARE, ZERO, SMPL (Sample), CAL (Calibration), UNIT, and PRINT
Communication Interface		RS232
Power Requirements		Built-in rechargeable battery (6V DC/2.8 Ah) or 100 to 240V AC 50/60Hz 12VDC 1000 mA wall plug-in UL/CSA listed AC power adapter
Tare		100% of scale capacity
Enclosure Type		Polycarbonate body with SUS304 stainless steel tray
Shipping Weight		6.8 lb (3.1 kg)
Dimensions		8.6 in W x 11.5 in D x 3.2 in H (219 mm W x 292 mm D x 80 mm H)
Dimensions with Air Shield		8.6 in W x 11.5 in D x 6.9 in H (219 mm W x 292 mm D x 176 mm H)
420-3000	Tray Size	7.4 in W x 5.8 in D (188 mm W x 148 mm D)
All other Models		5.7 in W x 4.5 in D (145 mm W x 115 mm D)
Operating Environment		Temperature Range: 50 to 104 °F (10 °C to 40 °C), Humidity: 40 to 85%
Storage Environment		Temperature Range: 50 °F to 86 °F (10 °C to 30 °C), Humidity: 0 to 95%
420-600	Approvals	NTEP – Certificate of Conformance No. 20-049
420-1200		OIML – R76/2006-A-DK2-2020.09
420-3000		EU Type Approval – 0200-NAWI-08686

## Class II Legal for Trade



RS232 serial port located on the back of the scale that may be used to send weight and associated data to a printer or other RS232 device. The port can be configured to send data continuously, send when a stable weight is obtained, or when the **PRINT** key is pressed.



# DETECTO®

A Division of Cardinal Scale Manufacturing Co.

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