



Analytical

Precision

STANDARD FEATURES

- AutoCal™ automatic internal calibration system
- The most advanced application modes in the industry include: statistics, formulation, differential weighing, statistical QC, density determination and pipette calibration
- Standard application modes include: percent weighing, animal weighing, check weighing, filling, parts counting and gross/net/tare weighing
- Applications library to store and quickly recall past procedures
- Brilliant backlit high resolution dot matrix display with simple navigation windows and menus to guide you through balance functions
- User selectable filter, stability indicator and auto-zero tracking for use in difficult environments
- User selectable GLP/GMP outputs via RS-232 to meet traceability requirements
- Five-language operational display text
- Standard weigh below capability
- Protective in-use cover and security bracket
- Industry leading warranty and support
- NTEP Legal-for-Trade Certified

APPROVALS



SPECIFICATIONS

LINEARITY:

VP213CN, VP413CN, VP613CN: ±0.002 g
 VP413DCN: ±0.002/0.005 g
 VP612CN, VP2102CN, VP4102CN: ±0.02 g
 VP6102CN: ±0.04 g
 VP4102DCN: ±0.02/0.05 g
 VP4101CN, VP6101CN, VP8101CN: ±0.1 g
 VP64CN, VP114CN, VP214CN: ±0.2 mg
 VP214DCN: ±0.2/0.5 mg

WEIGHING UNITS:

Gram, milligram, kilogram, pound, ounce, ounce troy, carat, pennyweight, Hong Kong tael, Singapore tael, Taiwan tael, mommes, grain, tical, Newton, custom

APPLICATION MODES:

Statistics, formulation, differential weighing, SQC, density determination, pipette calibration, parts counting, animal weighing, check weighing, percent weighing, filling, gross/net/tare weighing

FEATURES:

Applications library, RS-232 port, auxiliary display port, GLP protocol, selectable operating language, selectable displayed information settings, selectable environmental settings, selectable auto-print settings, integral weigh below hook, contrast & brightness control, protective in-use cover

TARE RANGE:

Full capacity by subtraction

STABILIZATION TIME:

Precision: Three seconds
 Analytical: Four seconds

OPERATING TEMPERATURE RANGE:

50°F to 104°F (10°C to 40°C)

REPEATABILITY (STD. DEV.):

VP213CN, VP413CN: 0.0005 g
 VP613CN: 0.0015 g
 VP413DCN: 0.0005/0.005 g
 VP612CN, VP2102CN, VP4102CN: 0.005 g
 VP6102CN: 0.01 g
 VP4102DCN: 0.01/0.05 g
 VP4101CN, VP6101CN, VP8101CN: 0.05 g
 VP64CN, VP114CN, VP214CN: 0.1 mg
 VP214DCN: .1/.5 mg

POWER REQUIREMENTS:

100-120 VAC, 220-240 VAC, 50/60 Hz

CALIBRATION:

Internal or external

DISPLAY TYPE:

LCD high resolution dot matrix with backlight

DISPLAY SIZE:

240 x 128 pixels

PAN SIZE:

VP213CN, VP413CN, VP613CN, VP413DCN: 4.7 in (12 cm) diameter
 VP612CN, VP2102CN, VP4102CN, VP6102CN, VP4102DCN, VP4101CN, VP6101CN, VP8101CN: 6.8 in X 6.8 in (17.2 cm x 17.2 cm) with removeable breeze collar
 Analytical: 3.5 in

DIMENSIONS (W x H x D):

VP213CN, VP413CN, VP613CN, VP413DCN: 8.3 in x 13.8 in x 13.8 in (21 cm x 35 cm x 35 cm)
 VP612CN, VP2102CN, VP4102CN, VP6102CN, VP4102DCN, VP4101CN, VP6101CN, VP8101CN: 8.5 in x 4 in x 13.8 in (21.5 cm x 10.3 cm x 35 cm)
 Analytical: 8.3 x 13.8 x 13.8 in

NET WEIGHT:

VP213CN, VP413CN, VP613CN, VP413DCN: 13.2 lb (6 kg)
 VP612CN, VP2102CN, VP4102CN, VP6102CN, VP4102DCN, VP4101CN, VP6101CN, VP8101CN: 11 lb (5 kg)

OPERATING TEMPERATURE RANGE:

50°F to 104°F

WARRANTY:

Two-year limited warranty

*Moveable FineRange™

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PART #	OHAUS MODEL #	DESCRIPTION	EST. SHIP WEIGHT
Analytical			
Models with internal calibration (AutoCal™)			
83160.....	VP64CN	62 g x 0.1 mg	13.2lb.....
83161.....	VP114CN	110g x 0.1 mg	13.2lb.....
83162.....	VP214CN	210g x 0.1 mg	13.2lb.....
83163.....	VP214DCN.....	210/100g x 1/0.1 mg.....	13.2lb.....
Precision			
83184.....	VP213CN	210g x 0.001 g with AutoCal and draft shield.....	13.2lb.....
83185.....	VP413CN	410g x 0.001 g with AutoCal and draft shield.....	13.2lb.....
83186.....	VP613CN	610g x 0.001 g with AutoCal and draft shield.....	13.2lb.....
83187.....	VP413DCN.....	410/100g x 0.01/0.001 g with AutoCal and draft shield	13.2lb.....
83188.....	VP612CN	610g x 0.01 g with AutoCal.....	11 lb.....
83189.....	VP2102CN	2,100g x 0.01 g with AutoCal.....	11 lb.....
83190.....	VP4102CN	4,100g x 0.01 g with AutoCal.....	11 lb.....
83191.....	VP6102CN	6,100g x 0.01 g with AutoCal.....	11 lb.....
83192.....	VP4102DCN.....	4,100/1,000g x 0.1/0.01 g with AutoCal	11 lb.....
83193.....	VP4101CN	4,100g x 0.1 g with AutoCal.....	11 lb.....
83194.....	VP6101CN	6,100g x 0.1 g with AutoCal.....	11 lb.....
83195.....	VP8101CN	8,100g x 0.1 g with AutoCal.....	11 lb.....

OPTIONS/ACCESSORIES

67422.....	80850045.....	Density determination kit (up to 610g x 1 mg).....	
67423.....	470004-010	Security devices (up to 8kg).....	
70424.....	AS017-02	Cable, IBM-PC, 25-pin.....	
70426.....	AS017-09	Cable, IBM-PC, 9-pin.....	
67413.....	SW12W	WinWedge® TAL software	
67467.....	490202-01	100-120VAC adapter.....	
67669.....	490203-01	220VAC adapter	
35263.....	76288-01	Security device (12, 22 and 32 kg only)	
104767.....		Impact printer	
71959.....	500570.....	Cable for PN 104767	
104770.....		Paper for PN 104767	
104771.....	12101512.....	Ribbon for PN 104767	

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