

Ohaus® Adventurer™ Pro Analytical and Precision Balances



Standard Features

- Full duplex RS-232 serial interface
- Ergonomic leveling system
- Protective in-use cover
- Large backlit Liquid Crystal Display (LCD)
- Integral security bracket
- Below balance weighing
- GLP/GMP data output capability
- Stability, overload, underload, low battery indicator
- Programmable auto shut-off
- Adjustable environmental settings
- AC operation (AC adapter included)
- Enhanced balance software including multiple span calibration points, auto tare, and output layout options including single or multiple lines, four-line feed and form feed
- Parts counting; weighing, animal/dynamic weighing, checkweighing, percentage weighing, totalization, display hold
- Incal™ optional available
- Battery operation on select models

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Specifications

CAPACITY:

AV64: 65 g
AV114: 110 g
AV264: 260 g
AV53: 51 g
AV213: 210 g
AV313: 310 g
AV212: 210 g
AV412: 410 g
AV812: 810 g
AV2102: 2100 g
AV3102: 3100 g
AV2101: 2100 g
AV4101: 4100 g
AV8101: 8100 g

READABILITY:

AV53, AV213, AV313: 0.001 g
AV412, AV812, AV2102, AV3102: 0.01 g
AV2102, AV4101, AV8101: 0.1 g
AV64, AV114, AV264: 0.1 mg

REPEATABILITY (STD. DEV):

AV53, AV213, AV313: 0.001 g
AV213, AV412, AV812, AV2102, AV3102: 0.01 g
AV2101, AV4101, AV8101: 0.1 g
AV64, AV114, AV264: 1 g

LINEARITY:

AV53, AV213, AV313: ±0.002 g
AV213, AV412, AV812, AV2102, AV3102: ±0.02 g
AV2101, AV4101, AV8101: ±0.2 g
AV64, AV114: ±0.2 g
AV264: ±0.3 mg

WEIGHING UNITS:

Milligram, gram, kilogram, ounce, pound, carat, pennyweight, ounce troy, grain, newton, Hong Kong tael, Singapore tael, Taiwan tael, momme, tical, baht, mesghal, tola, custom

TARE RANGE:

To capacity by subtraction

STABILIZATION TIME:

AV53: 2.5 seconds
AV212, AV313: 3 seconds
AV212: 1.5" seconds
AV412, AV812, AV2102, AV3102: 3 seconds
AV2102, AV4101, AV8101: 2" seconds

OPERATING TEMPERATURE RANGE:

50° F- 86° F (10° C- 30° C)

POWER:

AC adapter (included) or four AA batteries (not included)

CALIBRATION:

Digital with external weight/available with internal calibration, see back

DISPLAY TYPE:

2-line LCD with backlight

PAN SIZE WITH INCAL:

AV212, AV313: 4.7" (12 cm)
AV412, AV812, AV2102, AV3102, AV4101, AV8101: 6.6" x 7.1" (16.8 cm x 18 cm)

PAN SIZE WITHOUT INCAL:

AV53: 3.9" (10 cm)
AV212, AV313: 4.7" (12 cm)
AV412, AV812: 5.8" x 6.3" (14.9 cm x 16.2 cm)
AV2101, AV3102: 6.6" x 7.1" (16.8 cm x 18 cm)
AV2101, AV4101, AV8101: 5.8" x 6.3" (14.9 cm x 16.2 cm)
AV64, AV114, AV264: 3.5" (9 cm)

OVERALL DIMENSIONS (W X H X D) WITH INCAL:

AV213, AV313: 8.7" x 7.5" x 11.8" (22 cm x 19 cm x 30 cm)
AV213, AV412, AV812, AV2101, AV3102: 8.7" x 3.3" x 11.8" (22 cm x 8.5 cm x 30 cm)

OVERALL DIMENSIONS (W X H X D) WITHOUT INCAL:

AV553: 7.6" x 5.7" x 10" (19.3 cm x 14.5 cm x 25.4 cm)
AV212, AV313: 8.7" x 7.5" x 11.8" (22 cm x 19 cm x 30 cm)
AV212, AV412, AV812: 7.6" x 2.8" x 10" (19.3 cm x 7.2 cm x 25.4 cm)
AV2101, AV3102: 8.7" x 3.3" x 11.8" (22 cm x 8.5 cm x 30 cm)
AV2101, AV4101, AV8101: 7.6" x 2.8" x 10" (19.3 cm x 7.2 cm x 25.4 cm)
AV64, AV114, AV264: 8.7" x 12" x 11.8" (22 cm x 30.5 cm x 30 cm)

NET WEIGHT WITH INCAL:

AV213, AV313: 8.2 lb (3.7 kg)
AV213: 5.7 lb (2.6 kg)
AV412, AV812: 7.5 lb (3.4 kg)
AV2102, AV3102: 6.9 lb (3.2 kg)
AV2102, AV4101, AV8101: 7.7 lb (3.5 kg)
AV64, AV114, AV264: 9.6 lb (4.4 kg)

NET WEIGHT WITHOUT INCAL:

AV53: 3.1 lb (1.4 kg)
AV212, AV313: 7.3 lb (3.3 kg)
AV212: 2.6 lb (1.2 kg)
AV412, AV812: 3.3 lb (1.5 kg)
AV2101, AV2102: 6.1 lb (2.8 kg)
AV2101, AV4101, AV8101: 3.5 lb (1.6 kg)
AV64, AV114, AV264: 8.7 lb (4 kg)

WARRANTY:

Two-year limited warranty

*Note: Models AV212C, AV2101C, AV4101C and AV8101C have a stabilization

Adventurer™ Pro Analytical and Precision Series

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PART #	OHAUS MODEL #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
91007	AV64	65 g x 0.1 mg with draft chamber	14 lb.	\$1,816.00
91008	AV114	110 g x 0.1 mg with draft chamber	14 lb.	2,020.00
91009	AV264	260 g x 0.1 mg with draft chamber	14 lb.	2,530.00
77647	AV53	51 g x 0.001 g w/draft shield	14 lb.	791.00
91010	AV213	210 g x 0.001 g w/draft shield	14 lb.	1,117.00
91011	AV313	310 g x 0.001 g w/draft shield	14 lb.	1,270.00
77648	AV212	210 g x 0.01 g w/draft shield	14 lb.	678.00
77649	AV412	410 g x 0.01 g	14 lb.	760.00
77650	AV812	810 g x 0.01 g	14 lb.	872.00
91012	AV2102	2,100 g x 0.01 g	14 lb.	1,117.00
91013	AV3102	3,100 g x 0.01 g	14 lb.	1,270.00
77651	AV2101	2,100 g x 0.1 g	14 lb.	683.00
77652	AV4101	4,100 g x 0.1 g	14 lb.	760.00
77653	AV8101	8,100 g x 0.1 g	14 lb.	872.00
InCal™ Internal Calibration				
91015	AV64C	65 g x 0.1 mg w/draft chamber	15 lb.	2,122.00
91016	AV114C	110 g x 0.1 mg w/draft chamber	15 lb.	2,326.00
91017	AV264C	260 g x 0.1 mg w/draft chamber	15 lb.	2,836.00
91019	AV213C	210 g x 0.001 g	15 lb.	1,423.00
91020	AV313C	310 g x 0.001 g w/draft shield	15 lb.	1,576.00
91021	AV212C	210 g x 0.01 g w/draft shield	15 lb.	780.00
91022	AV412C	410 g x 0.01 g	15 lb.	862.00
91023	AV812C	810 g x 0.01 g	15 lb.	974.00
91024	AV2102C	2,100 g x 0.01 g	15 lb.	1,423.00
91025	AV3102C	3,100 g x 0.01 g	15 lb.	1,576.00
91026	AV2101C	2,100 g x 0.1 g	15 lb.	785.00
91027	AV4101C	4,100 g x 0.1 g	15 lb.	862.00
91028	AV8101C	8,100 g x 0.1 g	15 lb.	974.00
2nd RS-232 Interface				
91029	AV64R	65 g x 0.1 mg w/draft chamber	15 lb.	2,016.00
91030	AV114R	110 g x 0.1 mg w/draft chamber	15 lb.	2,220.00
91031	AV264R	260 g x 0.1 mg w/draft chamber	15 lb.	2,730.00
91032	AV53R	51 g x 0.001 g w/draft shield	15 lb.	995.00
91033	AV213R	210 g x 0.001 g w/draft shield	15 lb.	1,321.00
91034	AV313R	310 g x 0.001 g w/draft shield	15 lb.	1,474.00
91035	AV212R	210 g x 0.01 g	15 lb.	882.00
91036	AV412R	410 g x 0.01 g	15 lb.	964.00
91037	AV812R	810 g x 0.01 g	15 lb.	1,076.00
91038	AV2102R	2,100 g x 0.01 g	15 lb.	1,321.00
91039	AV3102R	3,100 g x 0.01 g	15 lb.	1,474.00
91040	AV2101R	2,100 g x 0.1 g	15 lb.	887.00
91041	AV4101R	4,100 g x 0.1 g	15 lb.	964.00
91042	AV8101R	8,100 g x 0.1 g	15 lb.	1,076.00
With InCal™ and 2nd RS-232 Interface				
91065	AV64CR	65 g x 0.1 mg w/draft chamber	16 lb.	2,322.00
91066	AV114CR	110 g x 0.1 mg w/draft chamber	16 lb.	2,526.00
91067	AV264CR	260 g x 0.1 mg w/draft chamber	16 lb.	3,036.00
91068	AV213CR	210 g x 0.001 g w/draft shield	16 lb.	1,627.00
91069	AV313CR	310 g x 0.001 g w/draft shield	16 lb.	1,780.00
91070	AV212CR	210 g x 0.01 g	16 lb.	984.00
91071	AV412CR	410 g x 0.01 g	16 lb.	1,066.00
91072	AV812CR	812 g x 0.01 g	16 lb.	1,178.00
91073	AV2102CR	2,100 g x 0.01 g	16 lb.	1,627.00
91074	AV3102CR	3,100 g x 0.01 g	16 lb.	1,780.00
91075	AV2101CR	2,100 g x 0.1 g	16 lb.	989.00
91076	AV4101CR	4,100 g x 0.1 g	16 lb.	1,066.00
91077	AV8101CR	8,100 g x 0.1 g	16 lb.	1,178.00

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PART #	OHAUS MODEL #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
With USB Interface				
91078	AV64U	65 g x 0.1 mg w/draft chamber	15 lb.	\$2,016.00
91079	AV114U	110 g x 0.1 mg w/draft chamber	15 lb.	2,220.00
91080	AV264U	260 g x 0.1 mg w/draft chamber	15 lb.	2,730.00
91081	AV53U	51 g x 0.001 g w/draft shield	15 lb.	995.00
91082	AV213U	210 g x 0.001 g w/draft shield	15 lb.	1,321.00
91083	AV313U	310 g x 0.001 g w/draft shield	15 lb.	1,474.00
91084	AV212U	210 g x 0.01 g	15 lb.	882.00
91085	AV412U	410 g x 0.01 g	15 lb.	964.00
91086	AV812U	810 g x 0.01 g	15 lb.	1,076.00
91087	AV2102U	2100 g x 0.01 g	15 lb.	1,321.00
91088	AV3102U	3100 g x 0.01 g	15 lb.	1,474.00
91089	AV2101U	2100 g x 0.1 g	15 lb.	887.00
91090	AV4101U	4100 g x 0.1 g	15 lb.	964.00
91091	AV8101U	8100 g x 0.1 g	15 lb.	1,076.00
With InCal™ and USB Interface				
91098	AV64CU	65 g x 0.1mg w/draft chamber	16 lb.	2,322.00
91099	AV114CU	110 g x 0.1 mg w/draft chamber	16 lb.	2,526.00
91100	AV264CU	260 g x 0.1 mg w/draft chamber	16 lb.	3,036.00
91101	AV213CU	210 g x 0.001 g w/draft shield	16 lb.	1,627.00
91102	AV313CU	310 g x 0.001 g w/draft shield	16 lb.	1,780.00
91103	AV212CU	210 g x 0.1 g	16 lb.	984.00
91104	AV412CU	410 g x 0.01 g	16 lb.	1,066.00
91105	AV812CU	810 g x 0.01 g	16 lb.	1,178.00
91106	AV2102CU	2100 g x 0.01 g	16 lb.	1,627.00
91107	AV3102CU	3100 g x 0.01 g	16 lb.	1,780.00
91108	AV2101CU	2100 g x 0.1 g	16 lb.	989.00
91109	AV4101CU	4100 g x 0.1 g	16 lb.	1,066.00
91110	AV8101CU	8100 g x 0.1 g	16 lb.	1,178.00
Legal for Trade				
103072	AV53N	51 g x 0.02 g w/draft shield	15 lb.	620.00
103073	AV212N	210 g x 0.1 g	15 lb.	610.00
103074	AV412N	410 g x 0.1 g	15 lb.	635.00
103075	AV612N	610 g x 0.1 g	15 lb.	660.00
103076	AV812N	810 g x 0.1 g	15 lb.	685.00
103077	AV2101N	2100 g x 1 g	15 lb.	610.00
103078	AV4101N	4100 g x 1 g	15 lb.	635.00
103079	AV6101N	6100 g x 1 g	15 lb.	660.00
103080	AV8101N	8100 g x 1 g	15 lb.	685.00
Legal for Trade with Second RS-232 Interface				
103081	AV53NR	51 g x 0.02 g w/draft shield	16 lb.	820.00
103082	AV212NR	210 g x 0.1 g	16 lb.	810.00
103083	AV412NR	410 g x 0.1 g	16 lb.	835.00
103084	AV612NR	610 g x 0.1 g	16 lb.	860.00
103085	AV812NR	810 g x 0.1 g	16 lb.	885.00
103086	AV2101NR	2100 g x 1 g	16 lb.	810.00
103087	AV4101NR	4100 g x 1 g	16 lb.	835.00
103088	AV6101NR	6100 g x 1 g	16 lb.	860.00
103089	AV8101NR	8100 g x 1 g	16 lb.	885.00
Legal for Trade with USB Interface				
103090	AV53NU	51 g x 0.02 g w/draft shield	16 lb.	820.00
103091	AV212NU	210 g x 0.1 g	16 lb.	810.00
103092	AV412NU	410 g x 0.1 g	16 lb.	835.00
103093	AV612NU	610 g x 0.1 g	16 lb.	860.00
103094	AV812NU	810 g x 0.1 g	16 lb.	885.00
103095	AV2101NU	2100 g x 1 g	16 lb.	810.00
103096	AV4101NU	4100 g x 1 g	16 lb.	835.00
103097	AV6101NU	6100 g x 1 g	16 lb.	860.00
103098	AV8101NU	8100 g x 1 g	16 lb.	885.00

Specifications subject to change without notice

Adventurer™ Pro Analytical and Precision (cont'd)

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PART #	OHAUS MODEL #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
Options/Accessories				
35263	76288-01	Security device		\$42.00
70406	80500525	Cable, IBM-PC, 9-pin		88.00
67413	SW12W	WinWedge® TAL Software		255.00
71904	SF42	Impact printer		361.00
71960	80500571	Cable for PN 71904		88.00
71957	12101511	Paper for PN 71904 (five-pack)		35.00
71958	12101512	Ribbon for PN 71904		22.00
83222	12102320	AC adaptor 120V (Adventurer Pro)		25.00
79958	12103980	In use cover (small housing)		14.00

WinWedge is a registered trademark of TAL Software.

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