

Ohaus® Adventurer™ Pro Analytical and Precision Balances



Approvals



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

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

OHAUS

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)

Ohaus

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

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Please refer to our High Precision Industrial Weighing Section in this catalog for exciting new choices and capabilities.

And don't forget to reference our full color Precision Catalog for additional solutions such as test weights, calibration services, static solutions, liquid handling, electrochemistry and more!