



Ohaus AV313C Adventurer Pro Digital Balance, 310 x 0.001 g with InCal

Ohaus Adventurer Pro digital balances are new for 2005! Improved performance with frameless draftshield, Internal calibration option, optional second USB port or second RS-232, multiple programs and weighing modes. In capacities from 65 to 8100 grams



Manufacture: Ohaus
 SKU: AV313C
 UPC: B0051WM30W
 Weight: 16.00 lb
 Free Ground Shipping within the 48 continental US States

**Please Call
 (800)832-0055**

Features

The Ohaus Adventurer™ Pro – The Most Complete Balance in Its Class!

Since its introduction, the Ohaus Adventure r™Pro has established itself as the industry's most versatile balance. It counts, it sums, it holds and it delivers traceable results. Now, we're taking versatility to the next level by expanding the Adventurer Pro line to include a full range of Analytical and High Precision models. No other balance in its class offers all these features in a compact design:

- **Easy Access, Frameless Draftshield with Removable Doors** – All doors, including the front and back glass panels, disassemble in seconds, and together with a stainless steel bottom, make it fast and easy to clean.
- **SmarText™ Software Guides Users Through Balance Use** – SmarText™ is Ohaus' easy to use balance software that utilizes text prompts to guide users through application use and balance setup.
- **QuadraStance™ Design Provides Superior Footprint Stability** – To enhance weighing stability, QuadraStance incorporates four feet to provide superior footprint stability on any surface.
- **Flexibility of Available Options** – Ensure weighing accuracy with InCal™ internal calibration. A factory installed USB or second RS232 interface allows connection to multiple peripherals.

Frameless Draftshield With Removable Doors Provides Convenient Access

Users frustrated by navigating tight spaces will welcome the easy-access weighing chamber of the Adventurer Pro. The draftshield is designed without the need of top rails, so users have unobstructed entry to place or retrieve materials to be weighed. With such unobstructed entry, the chance for accidental spillage is reduced helping to eliminate waste. With contamination being a concern in today's work environment, all doors, including the front and back glass panels are simple to remove and replace for fast and easy cleaning. Should breakage occur, within 3 easy steps, each replacement door and panel can be installed in seconds.

SmarText™ Software Brings Man and Machine Together

SmarText™ is Ohaus' easy to use balance software that utilizes text prompts to guide users through application use and balance setup. Delivered through a 2-line backlit LCD and clearly marked buttons, SmarText tells you what is going on and what you have to do next.

Utilizing the 2-line LCD, SmarText simultaneously displays weight and application specific information such as percent or count. For example, with one touch of the Function button, SmarText will display application reference information such as average piece weight (APW), while displaying a parts count.

Model	AV53	AV213	AV313	AV212	AV412	-	AV812	AV2102	AV3102	AV2101	AV4101	-	AV8101
Capacity (g)	51	210	310	210	410	-	810	2100	3100	2100	4100	-	8100
Readability (g)	0.001							0.01		0.1			
Repeatability (Std. dev.) (g)	0.001							0.01		0.1			
With InCal Internal Calibration Price:		AV213C	AV313C	AV212C	AV412C	-	AV812C	AV2102C	AV3102C	AV2101C	AV4101C	-	AV8101C
Legal for Trade Model Number	AV53N	-	-	AV212N	AV412N	AV612N	AV812N	AV2101N	-	-	AV4101N	AV6101N	AV8101N
Legal for Trade Class	II	-	-	III				-	-	III			
	NTEP, Certificate Number 05-118												
Legal Capacity (g)	51	-	-	210	410	610	810	2100	-	-	4100	6100	8100
Legal Readability "d" (g) "e" = "d"	0.02	-	-	0.1			1	-	-	1			
Linearity (g)	± 0.002			± 0.02				± 0.2					

Stabilization Time (seconds)	2.5	3	1.5*	3	2*
Power Requirements w/ InCal	N/A	AC Adapter (Included) no Batteries			
Power Requirements Legal	AC Adapter (Included) or 4 AA Batteries (Not Included)				
Power Requirements w/o InCal	AC Adapter (Included) 4 AA Batteries (not Included)	-	-	AC Adapter (Included) no Batteries	AC Adapter (Included) 4 AA Batteries (not Included)
Draftshield Type with Height Over Pan (in/cm)	Round: 2.75 / 7	Square 4.5 / 11.5	NONE		
Pan Size with InCal (in/cm)	N/A	4.7 / 12 dia.	6.6 x 7.1 / 16.8 x 18		
Pan Size without InCal (in/cm)	3.9 / 10 dia.	4.7 / 12 dia.	5.8 x 6.3 / 14.9 x 16.2	6.6 x 7.1 / 16.8 x 18	5.8 x 6.3 / 14.9 x 16.2
Balance Dimensions w/ InCal W x H x D (in/cm)	N/A	8.7 x 7.5 x 11.8 22 x 19 x 30	8.7 x 3.3 x 11.8 22 x 8.5 x 30		
Balance Dimensions w/o InCal W x H x D (in/cm)	7.6 x 5.7 x 10 19.3 x 14.5 x 25.4	8.7 x 7.5 x 11.8 22 x 19 x 30	7.6 x 2.8 x 10 19.3 x 7.2 x 25.4	8.7 x 3.3 x 11.8 22 x 8.5 x 30	7.6 x 2.8 x 10 19.3 x 7.2 x 25.4
Shipping Dimensions w/ InCal W x H x D (in/cm)	N/A	15.5 x 16 x 19.5 39 x 41 x 50	15.5 x 13 x 19.5 39 x 33 x 50		
Shipping Dimensions w/o InCal W x H x D (in/cm)	10.9 x 10.9 x 15.2 27.6 x 27.6 x 38.5	15.5 x 16 x 19.5 39 x 41 x 50	10.9 x 6.3 x 15.2 27.6 x 16 x 38.5	15.5 x 13 x 19.5 39 x 33 x 50	10.9 x 6.3 x 15.2 27.6 x 16 x 38.5
Net Weight w/ InCal (lb/kg)	N/A	8.2 / 3.7	5.7 / 2.6	7.5 / 3.4	6.9 / 3.2
Net Weight w/o InCal (lb/kg)	3.1 / 1.4	7.3 / 3.3	2.6 / 1.2	3.3 / 1.5	6.1 / 2.8
Shipping Wt w/ InCal (lb/kg)	N/A	14.6 / 6.6	11.9 / 5.4	13.7 / 6.2	13.4 / 6.1
Shipping Wt w/o InCal (lb/kg)	5.7 / 2.6	13.7 / 6.2	4.8 / 2.2	5.3 / 2.4	12.6 / 5.7
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				
Weighing Units Legal for Trade Mode	Milligram, Gram, Ounce, Carat, Pennyweight, Ounce Troy, Grain	-	-	Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Grain	
Application Modes	Weighing, Animal /Dynamic Weighing, Parts Counting with Automatic Sample Recalibration, Percent Weighing, Checkweighing, Totalization, Display Hold				
Tare Range	To capacity by subtraction				
Operating Temperature Range	50° - 86°F / 10° - 30°C				
Calibration	Digital with External Weight (non-"C" models) Digital with Internal Weight ("C" models with InCal option)				
Display Type	2-Line Alphanumeric Backlit LCD Display				
Display Size (in/cm)	4 x 1 / 10 x 2.5				

QuadraStance™ Design for Superior Stability

QuadraStance™ incorporates four adjusting feet to provide superior footprint stability on any surface. QuadraStance helps prevent rocking and tipping, enhancing the weighing stability of the balance, and keeping the Adventurer Pro level and accurate. Additionally, Adventurer Pro has been designed with an up-front level indicator eliminating the need to look behind the balance during the leveling process. A quick glance at the up-front level indicator helps to ensure that the balance is level prior to each use.

Added Flexibility of Available Options

The Adventurer Pro also now offers InCal™ internal calibration. InCal ensures weighing accuracy by allowing you to calibrate the balance prior to use without the need of external weights. All Adventurer Pro models come with a built-in RS-232 interface, and for added functionality can be equipped with either a second RS-232 or USB interface, allowing connections to multiple peripherals. With full GLP/GMP data output, Adventurer Pro can meet traceability and compliance requirements.

Other Standard Features Include:

Multiple Application Modes Including:

- Animal Weighing Mode – This mode allows the user to weigh small animals and filters out animal movements to provide a stable weight indication
- Parts Counting with Optimization – This mode allows the user to count based on a calculated piece weight. With optimization, counting accuracy is improved through auto re-calculation of the piece weight
- Percentage Mode – This mode allows the user to display the weight of a sample as a percentage of a reference weight
- Checkweighing Mode – This mode allows the user to check the weight of a sample against a preset target
- Totalization Mode – This mode allows the user to sum a series of sample weights
- Display Hold Mode – This mode allows the user to hold the highest stable weight on the display until cleared

Selectable Environmental Settings

Three filter modes and adjustable zero tracking are ideal for working in slow filling applications where sensitivity is a must. When working in harsh environments, user can adjust balance settings to compensate for vibrations and other disturbances.

Protective In-Use Cover

The in-use cover is replaceable and offers protection against dust and debris, minimizing the chance of damage to the display and keypad buttons.

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