



# Adventurer™ Pro NTEP Approved

Precision Balances



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

Since its introduction, the OHAUS Adventurer™ 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 range of NTEP approved precision models. The Adventurer Pro meets or exceeds the Class II or III accuracy requirements in accordance with the National Institute of Standards and Technology (NIST) Handbook 44. Certificate of Conformance Number 05-118 was issued under the National Type Evaluation Program (NTEP) of the National Conference on Weights and Measures. NTEP approved Adventurer Pro's make it easy to comply with current regulations in a variety of markets including:

### **Standard Features Include:**

- Direct sales to the public of precious metals and semi-precious gems
- Direct sales to the public of dry commodities such as coffee, nuts, candy and tobacco
- Pharmacy use

### **No other balance in its class offers all these features in a compact design:**

- SmarText™ Software Guides Users Through Balance Use
- QuadraStance™ Design Provides Superior Footprint
- Flexibility of Available Options

# Adventurer™ Pro NTEP Balances

## 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. 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. At the touch of the Function button, SmarText will display application reference information such as average piece weight (APW).



## QuadraStance™ Design Provides Superior Footprint

QuadraStance™ design incorporates four feet to provide superior footprint stability on any surface. QuadraStance helps prevent rocking and tipping enhancing the weighing stability of the balance

Along with QuadraStance, Adventurer Pro has also 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.

## Available Second Interface Options

Along with an included RS232, a second factory installed interface option of USB or RS232 allows connection to multiple peripherals with full GLP/GMP data output. GLP/GMP data is valuable for traceability and compliance requirements

The feature rich Adventurer Pro is built with a large stainless steel weighing platform, mechanical and software overload/underload protection, an integrated security bracket, weigh below hook and has a standard protective in-use cover.

Software features include a stability indicator, a low battery indicator, user selectable span calibration points, auto tare, user selectable printing options, user selectable communications settings, user selectable data print options, user definable project & user ID's, a software reset menu and a software lockout menu.



## Multiple Application Modes: *(not available in Legal for Trade mode)*

- **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
- **Check Weighing 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



# Feature Rich: Adventurer Pro Is The Most Complete Balance In Its Class



**Security**  
To prevent unwarranted movement or theft, an integrated security bracket

accommodates the security device accessory

**Easy to Clean**

Adventurer Pro's stainless steel platform and removable wind ring make it extremely easy to clean



**Connectivity**

Adventurer Pro comes with an RS232 interface. A second RS232 or USB interface is also available as a factory installed

**AC and / or Battery Power**

All models offer portability and can operate on either the included AC adapter, or on 4 "AA" batteries. An Auto Shutoff feature helps conserve battery life



**Easy to View Display**

Adventurer Pro features a 2-line alphanumeric LCD with brilliant backlight. Portable models include a backlight auto-off feature to conserve battery life



**Weigh-Below Hook**

Adventurer Pro's integral weigh-below hook allows density determination or calculating the specific gravity of samples



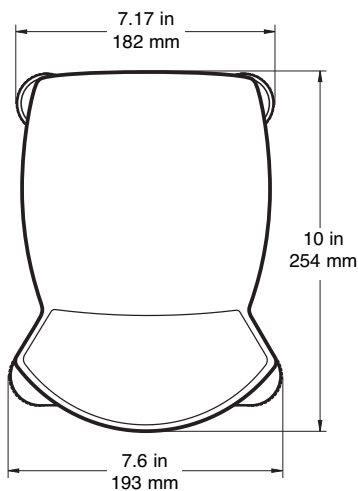
**Easy to Use Keypad**

Four-button keypad with dedicated YES, NO, BACK and EXIT functions simplify menu navigation and balance set-up

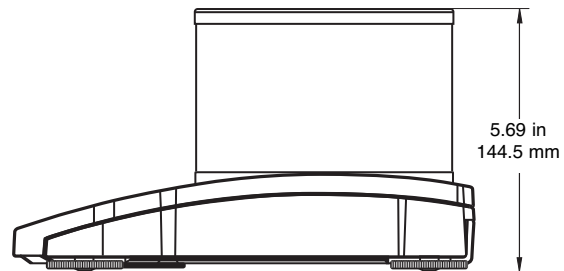
**Multiple Weighing Units**

Adventurer Pro features multiple weighing units including a user-defined custom unit for use in unique weighing applications

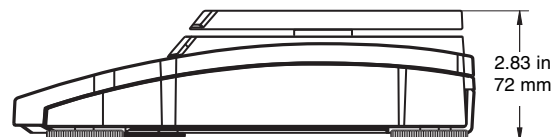
**Outline Dimensional Drawings**



Models AV53N, AV212N, AV412N, AV612N, AV812N, AV2101N, AV4101N, AV6101N AV8101N



Model AV53N



Models AV212N, AV412N, AV612N, AV812N, AV2101N, AV4101N, AV6101N AV8101N

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## Specifications

Model	AV53N	AV212N	AV412N	AV612N	AV812N	AV2101N	AV4101N	AV6101N	AV8101N
Models with USB	AV53NU	AV212NU	AV412NU	AV612NU	AV812NU	AV2101NU	AV4101NU	AV6101NU	AV8101NU
Models with RS232	AV53NR	AV212NR	AV412NR	AV612NR	AV812NR	AV2101NR	AV4101NR	AV6101NR	AV8101NR
Capacity (g)	51	210	410	610	810	2100	4100	6100	8100
Readability "d" (g) "e" = "d"	0.02	0.1				1			
Repeatability (Std. dev.) (g)	0.02	0.1				1			
Linearity (g)	± 0.02	± 0.1				± 1			
Class	II				III				
Weighing Units Legal for Trade Mode	Milligram, Gram, Ounce, Carat, Pennyweight, Ounce Troy, Grain		Gram, Kilogram, Ounce, Pound, Carat, Pennyweight, Ounce Troy, Grain						
Additional Weighing Units Not Legal for Trade Mode	Newton, Hong Kong Tael, Singapore Tael, Taiwan Tael, Momme, Tical, Baht, Mesghal, Tola, Custom								
Application Modes Not Legal for Trade Mode	Animal / Dynamic Weighing, Parts Counting with Automatic Sample Recalibration, Percent Weighing, Checkweighing, Totalization, Display Hold								
Tare Range	To capacity by subtraction								
Stabilization Time (s)	2.5	1.5	3			2			
Operating Temperature Range	50° - 104°F / 10° - 40°C								
Power Requirements	AC Adapter (Included) or 4 AA Batteries (Not Included)								
Calibration	Digital with External Weight								
Display Type	2-Line Alphanumeric Backlit LCD								
Display Size (in/cm)	4 x 1 / 10 x 2.5								
Draftshield Type Height Over Pan (in/cm)	Round: 2.75 / 7		None						
Pan Size (in/cm)	3.9 / 10 dia.	4.7 / 12 dia.	5.8 x 6.3 / 14.9 x 16.2						
Balance Dimensions W x H x D (in/cm)	7.6 x 5.7 x 10 / 19.3 x 14.5 x 25.4		7.6 x 2.8 x 10 / 19.3 x 7.2 x 25.4						
Shipping Dimensions W x H x D (in/cm)	10.9 x 6.3 x 15.2 / 27.6 x 27.6 x 38.5		10.9 x 6.3 x 15.2 / 27.6 x 16 x 38.5						
Net Weight (lb/kg)	3.1 / 1.4		2.6 / 1.2			3.3 / 1.5			
Shipping Weight (lb/kg)	5.7 / 2.6		4.8 / 2.2			5.5 / 2.5			

## Approvals

NTEP, Certificate Number 05-118  
 CE, FCC, CULUS, CSAUS, NRTL  
 C Tick  
 CB Scheme  
 IP33 (without Power Adapter; with Pan put on)  
 IP20 (with Power Adapter, with Pan put on)

## Options and Accessories

	OHAUS Number
Dot Matrix Printer .....	80252042
Cable kit to connect Dot Matrix Printer to Adventurer Pro .....	80252571
Paper for Dot Matrix Printer .....	80251932
Ink Ribbon for Dot Matrix Printer .....	80251933
Thermal Printer .....	80251992
Paper for Thermal Printer .....	80251931
Cable kit to connect Thermal Printer to Adventurer Pro .....	80252581
Ohaus Collect Software .....	80500746
TAL Software WinWedge .....	SW12W
RS232 Cable, PC 25 Pin to Adventurer Pro.....	80500524
RS232 Cable, PC 9 Pin to Adventurer Pro.....	80500525
Density Determination Kit for Adventurer Pro analytical balances (0.1mg) except AV53 .....	80850045
Security Device for Adventurer Pro .....	76288-01
In-Use Cover for Adventurer Pro (large housing) .....	12103879

## Industry Leading Quality and Support

All OHAUS Adventurer™ Pro balances are manufactured under an ISO 9001:2000 Registered Quality Management System. Our rugged construction and stringent quality control have been hallmarks of all OHAUS products for over a century.

### OHAUS CORPORATION

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With offices throughout Europe,  
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\* ISO 9001  
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