



### *The Scale for Grading Grain!*

The Adventurer Grain Scale has been designed to provide a durable, high-precision grading scale for use in both commercial grain and GIPSA applications. Using high-resolution loadcell technology, the Adventurer offers capacity up to 5,200g capacity in either 0.01g readability (non-approved mode) or 0.0[1]g for approved grain applications (NTEP Class II to Handbook 44). The Adventurer Grain Scale also features FM/Dockage readability to 0.01%. For the high-precision accuracy your operation requires, there is the Adventurer Grain Scale.

#### *Standard Features:*

- **Easy to Use**—Designed for high-throughput dockage operations, the Adventurer Grain Scale features a large and bright 4.3" touchscreen LCD display with intuitive icon driven SmarText 2.0 software. The Adventurer Grain Scale also includes six manual "quick keys" for simple operation of routine tasks. Test Weight and Dockage modes have dedicated key functions to increase efficiency.
- **The Modes You Need**—Simple weighing, a Test Weight mode and standard or reciprocal Dockage (foreign material) modes are all programmed into the Adventurer Grain Scale. Each mode can be quickly accessed using dedicated key functions.
- **Multiple Test Weight Selection**—The Adventurer Grain Scale offers a Grain Grading unit for pounds per bushel with quart or pint containers and kilograms per hectoliter in liter and half-liter volumes.
- **Weighing Units**—The Adventurer Grain Scale offers g, kg, oz, lb, and a user-defined custom unit.
- **Durable Design**—Each Adventurer Grain Scale features a removable stainless steel weighing pan and durable housing with cast aluminum loadcell frame. Full in-use housing cover included.
- **Improved Connectivity with GLP/GMP Data**—The Adventurer Grain Scale features a standard RS-232, USB Device and USB Host ports with real time GLP/GMP capabilities including operator ID, date and time for improved traceability.

# ADVENTURER® Grain Scale

## Stability, Accuracy, and Fast Operation Ensure Optimal Weighing Results in Routine Weighing Tasks

### Weighing Performance

- Delivers stable and reliable weighing results for grain weighing

### Stabilization Time

- Adventurer's fast stabilization time of  $\leq 1.5$  seconds improves productivity in grain silo facilities

## Easy and Fast Operation of Adventurer's Applications

### Large Color Touchscreen Display

- In addition to the touchscreen, Adventurer also has six mechanical keys that allow the operator to perform repetitive operations easily
- Operate and access Adventurer's application modes and abundant features that eliminate the need to do several manual calculations through the modern color touchscreen

## Equipped with Efficient and Functional Features

### Dual USB Ports

- A front USB host port is easily accessible and makes it simple to save data from the Grain Scale onto a USB memory stick
- A second USB device is located at the rear of the balance that can be used to connect the Grain Scale to a PC or printer

### Real Time Clock with GLP/GMP Data

- A real-time clock function keeps accurate time even during power loss and the GLP data capability has the ability to record Sample name, Project names and Balance ID's to help meet traceability and compliance requirements



## Fast Processing For Your Operation

### Fast Dockage Operations

The Adventurer Grain Scale allows either standard (positive) or reciprocal (negative) dockage modes to fit your operational needs:

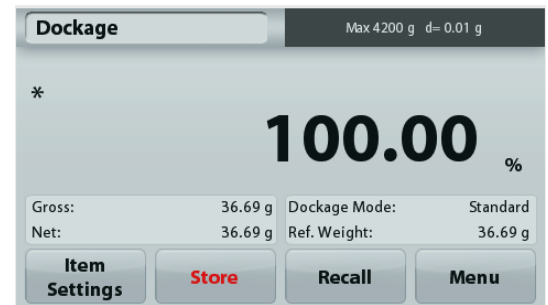
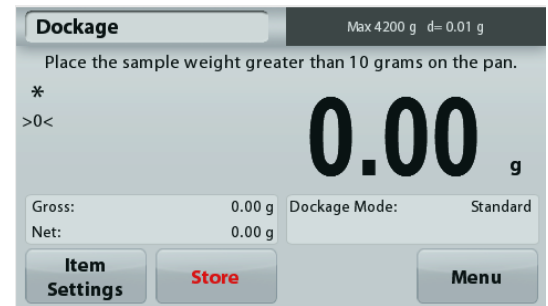
- Tare the container's weight and press the Dockage button on the Adventurer Grain Scale
- Choose the dockage mode to either standard (positive) or reciprocal (negative)
- Process your sample and place the sample on the Adventurer's platform
- The Adventurer Grain Scale will then show the standard or reciprocal percentage

### Quick Test Weight Mode

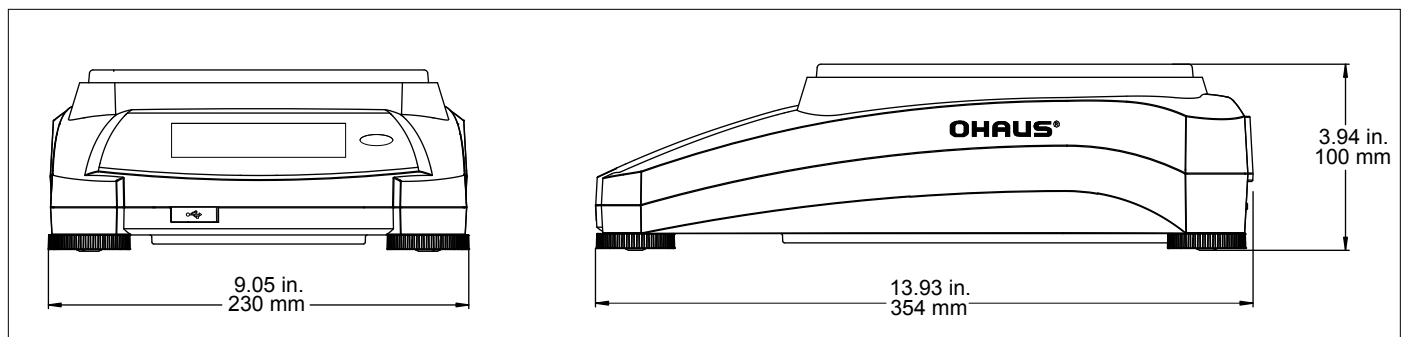
- Press the Test Weight button on the Adventurer Grain Scale display
- Tare the container's weight out by pressing the Tare button on the scale
- Fill container with processed sample and place on the Adventurer's platform
- The display shows the actual test weight (density) in either pounds per bushel or kilogram per hectoliter

### Full Capacity Tare

- The Adventurer Grain Scale can be tared up to the full capacity of the balance



## Dimensions



# ADVENTURER® Grain Scale

Model	AX4202N/EGN	AX5202N/EGN
Max	4200g	5200g
Min	0.5g	
d=	0.01g	
e=	0.1g	
Approval Class	II	
Repeatability (std. dev.) (g)	0.01g	
Linearity (g)	±0.02g	
Span Calibration Points (g)	1000g, 2000g, 3000g, 4000g	1000g, 2000g, 3000g, 4000g, 5000g
Calibration	External	
Weighing Units	gram, kilogram, carat, pennyweight, grain, pound, ounce, troy ounce	
Applications	Weighing, dockage, test weight	
Stabilization Time (typical)	≤1.5 seconds	
Sensitivity Temperature Drift (PPM/K)	3	
Display	Full-Color WQVGA Graphic LCD	
Display Size	4.3 in. / 10.9 cm (diagonal)	
Backlight	White LED	
Controls	4-wire resistive touch screen	
Communication	RS-232, USB × 2	
Scale Power Input	12 VDC, 0.5A	
Power Supply	AC Adapter Input: 100–240 VAC 0.3A 50–60 Hz AC Adapter Output: 12 VDC 0.84A	
Platform Size (diameter)	175 × 195 mm / 6.9 × 7.7 in.	
Assembled Dimensions (W × D × H)	354 × 230 × 100 mm 13.9 × 9.1 × 4.0 in.	
Shipping Dimensions (W × D × H)	557 × 392 × 301 mm 22.0 × 15.5 × 11.9 in.	
Net Weight	3.9 kg / 8.6 lb	
Shipping Weight	5.8 kg / 12.8 lb	

## Compliance

- **Metrology:** NTEP (CC 14-082); Measurement Canada (AM-5957)
- **Product Safety:** CAN/CSA C22.2 No. 61010-1, UL 61010-1, IEC 61010-1
- **Electromagnetic Compatibility:** FCC Part 15 Class B, ICES-001 Class B, IEC 61326-1 (emissions Class B, immunity basic environments)

## Accessories

SF40A Impact Printer	.....30064203
Auxiliary Display, AD7-RS	.....30472064
Density Kit	.....80253384
Cable, USB Device (Type A-B)	.....83021085
Security Device (Laptop Lock)	.....80850043
RS232 Cable, PC 25 Pin	.....80500524
RS232 Cable, PC 9 Pin	.....80500525
Dust Cover	.....30093334

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