The OHAUS next generation Defender 5000 Series multifunctional bench scale is ideal for a multitude of applications, including production, packaging, inventory and shipping. Built durably and equipped with advanced features such as maximum configurability print output GMP/GLP data output, library/user management, and multiple connectivity options - the Defender 5000 is designed to simplify demanding industrial and commercial applications.

Capacity x Readability
Non Legal Mode:50 lb x 0.002 lb
Legal For Trade: 50 lb x 0.01 lb
Pan Size
12 x 12 in

Manufacture: Ohaus
SKU: **D52XW25WQR6**
Weight: 24.30 lb
Free Ground Shipping within the 48 continental US States

Legal for Trade

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

Features

The OHAUS next generation Defender 5000 Series multifunctional bench scale is ideal for a multitude of applications, including production, packaging, inventory and shipping. Built durably and equipped with advanced features such as maximum configurability print output, GMP/GLP data output, library/user management, and multiple connectivity options - the Defender 5000 is designed to simplify demanding industrial and commercial applications

- **Standard Features:**
- **Indicator Guides The User with On-Screen Prompts** See results clearly on the large backlit display. The alpha-numeric keypad and function keys allow for a simplified user experience. On-screen prompts and soft keys will guide you through the operation.
- **Durably Constructed To Withstand Harsh Industrial Environments** Durably constructed with a stainless steel platform, silver-painted column, and aluminum load cell. Supports up to 6,250e NTEP and Measurement Canada certified resolution for legal-for-trade applications.
- **Multiple Application Modes and High Storage Capacity for Greater Flexibility** Features common industrial modes and supports a 50,000 item library and 1,000 user profiles which can be downloaded/uploaded for easy set-up with the included Micro SD Card. Also equipped with GLP/GMP output capability with time/date for result traceability. Alibi memory available.
- **Multiple Connectivity Options for Convenient Data Transfer and Storage** Results can be stored in the Micro SD card. Data output via built-in RS232 or optional interfaces including 2nd RS232/RS485/USB device, Ethernet, Bluetooth/WiFi, Analog Output and Discrete I/O with relays.

Simplified Use
Results can be read easily on the Defender 5000's large transflective dot matrix display, even in bright sunlight. The SmarText 3.0 interface will guide you through all of the Defender 5000's unique and advanced features. With five soft keys, SmartText 3.0 makes an advanced scale very simple to use, and reduces training time for operators.

Durably Constructed To Withstand Harsh Industrial Environments
Durably constructed with a stainless steel platform, frame, column, IP67 loadcell and IP68/NEMA4X indicator. Supports up to 5,000d NTEP and Measurement Canada certified resolution for legal-for-trade applications.

Simple Operation
Featuring most common applications including Parts Counting with APW optimization, Checkweighing or Checkcounting, Percent Weighing, and Dynamic Weighing or Display Hold, the Defender 5000 meets the weighing and measurement needs of practically every industrial application or manufacturing process. Many application modes eliminate the need for long and complicated manual calculations. GMP/GLP with time/date allows for traceability of results.
Equipped with the included Micro SD card, the Defender 5000 can support storage of up to 50,000 items and 1,000 user profiles. Weighing results can also be stored in Alibi or regular format, addressing all your data storage needs.

Multiple Connectivity Options
Weighing results can be easily exported through the standard RS232 port. Additional connectivity options include a second RS232, RS485 or USB device; Ethernet; and WiFi/Bluetooth interfaces. Using the Analog Option (either 4-20mA or 0-10V) or the two In/four Out Discrete I/O, the new Defender 5000 indicator can also be used for systems including PLCs.

Application Modes
- **Weighing**: Determine the weight of items in the selected unit of measure.
- **Parts Counting**: Count samples of uniform weight. Advanced auto-optimization software recalculates the average piece of weight as the overall weight increases.
- **Checkweighing/Counting**: Compare the weight/count of a sample against target limits. Connect with Discrete I/O and Light Tower Kit for external check lights.
- **Percent Weighing**: Measure the weight of a sample displayed as a percentage of a pre-established reference weight.
- **Dynamic Weighing and Display Hold**: Weigh an unstable load. Scale takes an average of weights over a period of time. The Display Hold feature manually or automatically holds the last stable weight on the display

Specifications

Model	D52XW2WQS6 30461673	D52XW5WQS6 30461674	D52XW12WQS6 30461675	D52XW12WQR6 30461676	D52XW25WQR6 30461677	D52XW25WQL7 30461679	D52XW50WQR6 30461678	D52XW50WQL7 30461680
Standard Capacity x Readability	5 x 0.0002 lb 2.5 kg x 0.1 g	10 x 0.0005 lb 5 kg x 0.2 g	25 x 0.001 lb 12.5 kg x 0.5 g	25 x 0.001 lb 12.5 kg x 0.5 g	50 x 0.002 lb 25 kg x 1 g	50 x 0.002 lb 25 kg x 1 g	100 x 0.005 lb 50 kg x 2 g	100 x 0.005 lb 50 kg x 2 g
Legal for Trade Capacity x Readability	5 x 0.001 lb 2.5 kg x 0.5 g	10 x 0.002 lb 5 kg x 1 g	25 x 0.005 lb 12.5 kg x 5 g	25 x 0.005 lb 12.5 kg x 5 g	50 x 0.01 lb 25 kg x 5 g	50 x 0.01 lb 25 kg x 5 g	100 x 0.02 lb 50 kg x 10 g	100 x 0.02 lb 50 kg x 10 g
Pan Size	10 x 10 in	10 x 10 in	10 x 10 in	12 x 12 in	12 x 12 in	18 x 18 in	12 x 12 in	18 x 18 in
Min APW (g)	0.005	0.01	0.025	0.025	0.05	0.05	0.1	0.1
Legal For Trade	NTEP Class III 5,000 d Indicator: CC 18-065, Platforms: CC 18-077 Measurement Canada Indicator: AM-6093, Platforms: AM-6107							
Internal Counting Resolution	1:500,000							
Linearity/Repeatability	±2d							
Indicator	TD52XW IP68 / NEMA 4X Stainless Steel Indicator							
Weighing Units	lb, oz, lb:oz, kg, g, metric ton, short ton, custom unit							
Application Modes	Weighing, Percent Weighing, Piece Counting with Optimized APW, Checkweighing/Checkcounting, Dynamic Weighing/Display Hold							
Display	Dot matrix LCD with white LED backlight, 256 x 80 pixels							
Keyboard	6 function, 5 quick, 12 alpha numeric membrane switches							
Auto-zero Tracking	Off, 0.5 d, 1 d or 3 d							
Zeroing Range	2% or 100% of capacity							
Interface	Standard RS232 Optional Ethernet, WiFi/Bluetooth, RS232/RS485/USB, Analog Output, 2 In/4 Out Discrete I/O							
Power	100-240 VAC / 50/60 Hz Universal Power Supply, Rechargeable Lithium battery (optional)							
Battery Life	20 hours of continuous use							
Calibration	Zero, Span or 3 point-Linear							
Maximum Overload	150-200% depending on capacity							
Mount	Stainless steel front-mount bracket with handle							
Base Construction	Stainless steel removable weighing platform with stainless steel frame, silicon-sealed IP67 stainless steel loadcell							
Safe Overload Capacity	150% of maximum capacity							
Stabilization Time	Within 1 second							
Operating Temperature Range	14°F to 104°F / -10°C to 40°C							
Net Weight	19.8 lb 9 kg	19.8 lb 9 kg	19.8 lb 9 kg	24.3 lb 11 kg	24.3 lb 11 kg	41.9 lb 19 kg	24.3 lb 11 kg	41.9 lb 19 kg

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