Ohaus D52P500RQV3 Defender 5000 24 x 24 in Bench Scale 1000 x 0.05 lb and Legal for Trade 1000 x 0.2 lb

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.

OHAUS

Capacity x Readability
Non Legal Mode:1000 lb x 0.05 lb
Legal For Trade: 1000 lb x 0.2 lb
Pan Size
24 x 24 in

Manufature: Ohaus
SKU: **D52P500RQV3**
Free Ground Shipping within the 48 continental US States

NTEP NATIONAL CONFERENCE ON WEIGHTS AND MEASURES
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.

Durable Construction
The Defender 5000 can be used for both general and legal-for-trade applications. For standard industrial applications, the Defender 5000 bench scales offer durable performance at a practical price.

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

Other Standard Features and Equipment

User-configurable resolution up to 25,000d for general applications and up to 6,250e for legal-for-trade applications (depending on model and unit of measure), 150% overload capacity protection, checkweighing symbols with selectable operation and audible signal settings, menu lock switch, multiple selectable operating languages, selectable environmental and auto-print settings, stability indicator, overload/underload indicators, selectable adjust contrast settings, auto-dim display, auto-off, auto tare, non-slip adjustable rubber feet, a Wheel Kit option is also available for scales up to 300 kg.

Compliance

- Metrology: Measurement Canada (Indicator: NoA AM-6093, Platforms: NoA AM-6107); NTEP (Indicator: CC 18-065, Platforms: CC 18-077) Class lll
- Product Safety: CAN/CSA C22.2 61010-1; UL61010-1; IEC/EN 61010-1
- Electromagnetic Compatibility: FCC Part 15 Class B; Canada ICES-003 Class B; IEC/EN 61326-1 Class B, basic environments
- Compliance Marks: CE; CSA

Accessories

- Battery Kit, Li-ion, TD52 (30424405)
- USB Host for Dongle, TD52 (30424406)
- Light Tower, 3 Colors, 243mm, IP65 (Requires 30097591) (30424021)
- In-use Cover Kit, TD52P (30424022)
- In-use Cover Kit, TD52XW (30424023)
- In-use Cover set (10), TD52P (30469948)
- In-use Cover set (10), TD52XW (30469949)
- Printer Holder Kit, D52 (30424025)
- Wall Mount Kit, SST, TD52XW (30424026)
- Wall Mount Kit, CS, TD52P (30424027)
- LC Extension Cable, 9 meters, D521 (30424409)
- M16 Gland with Ferrite, to TD52 (30379716)
- Micro SD Card, 8G (30303533)
- Analog Output Kit, TD523 (30424403)
- Second RS232/RS485/USB Kit, TD523 (30424404)
- I/O with Relay (2 In/4 Out)3 (30097591)
- WiFi/BT Dongle, OHAUS2 (Requires 30424406) (30412537)
- Ethernet Kit, D522 (30429666)
- Wheel Kit, Defender Series (for bases up to 300 kg)1 (30372146)
- Impact Printer SF40A (30064203)
- Thermal Printer STP-103 (80251992)

Specifications

Model with TD52P ABS Indicator	D52P125RQL2 30461637	D52P125RTX2 30461639	D52P125RQV3 30461642	D52P125RTV3 30461645	D52P250RTX2 30461640	D52P250RQV3 30461643	D52P250RTV3 30461646	D52P500RQV3 30461644	D52P500RTV3 30461647
Model with TD52XW Stainless Steel Indicator	D52XW125RQL2 30461696	D52XW125RTX2 30461698	D52XW125RQV3 30461701	D52XW125RTV3 30461704	D52XW250RTX2 30461699	D52XW250RQV3 30461702	D52XW250RTV3 30461705	D52XW500RQV3 30461703	D52XW500RTV3 30461706
Standard Capacity x Readability	250 x 0.01 lb 125 kg x 5 g	250 x 0.01 lb 125 kg x 5 g	250 x 0.01 lb 125 kg x 5 g	250 x 0.01 lb 125 kg x 5 g	500 x 0.02 lb 250 kg x 10 g	500 x 0.02 lb 250 kg x 10 g	500 x 0.02 lb 250 kg x 10 g	1000 x 0.05 lb 500 kg x 20 g	1000 x 0.05 lb 500 kg x 20 g
Legal for Trade Capacity x Readability	250 x 0.05 lb 125 x 20 g	250 x 0.05 lb 125 kg x 20 g	250 x 0.05 lb 125 kg x 20 g	250 x 0.05 lb 125 kg x 20 g	500 x 0.1 lb 250 kg x 50 g	500 x 0.1 lb 250 kg x 50 g	500 x 0.1 lb 250 kg x 50 g	1000 x 0.2 lb 500 kg x 100 g	1000 x 0.2 lb 500 kg x 100 g
Pan Size	18 x 18 in	18 x 24 in	24 x 24 in	23.6 x 31.5 in	18 x 24 in	24 x 24 in	23.6 x 31.5 in	24 x 24 in	23.6 x 31.5 in
Min APW (g)	0.25	0.25	0.25	0.25	0.5	0.5	0.5	1	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								
Weighing Units	lb, oz, lb:oz, kg, g, metric tonnes, 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								
Base Construction	Stainless steel removable weighing platform, powder-coated steel base construction, aluminum loadcell silicon-sealed against moisture								
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								
Approx. Net Weight	30.9 lb 14 kg	59.5 lb 27 kg	86 lb 39 kg	103 lb 47 kg	59.5 lb 27 kg	86 lb 39 kg	103 lb 47 kg	86 lb 39 kg	103 lb 47 kg

i81u812

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