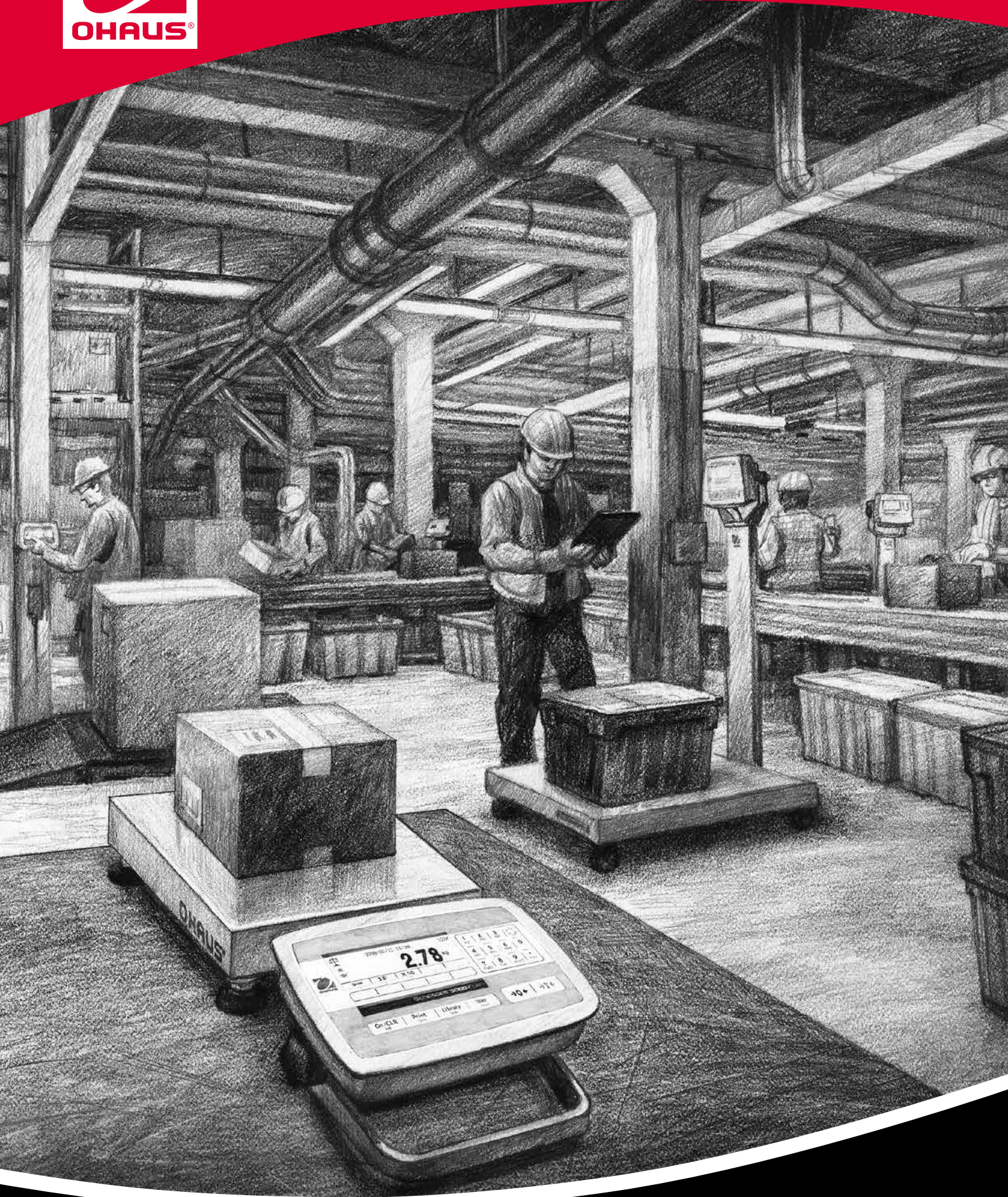# *Defender® 5000*

Industrial Scales

Ingeniously Practical

WEIGH IT

OHAUS Defender® 5000

Weigh It in your facility with OHAUS Defender 5000 Bench Scales! Durably constructed and intuitively designed for commercial and industrial applications, OHAUS Defender 5000 Bench Scales are perfect for applications in production, processing, warehousing, packaging and shipping & receiving, and more to help you to **Weigh It** in your facility.

Defender® 5000—Multifunctional Bench Scale for Standard Industrial Applications

1 **Indicator Guides Through Use with On-Screen Prompts**
See results clearly on the large backlit display. The alpha-numeric keypad & function keys allow for a simplified user experience. On-screen prompts and soft keys will guide you through the operation.

2 **Durably Constructed To Endure Use in Industrial Environments**
Durably constructed with a stainless steel platform, steel frame and aluminum load cell, the Defender 5000 meets OIML/EC type approvals.
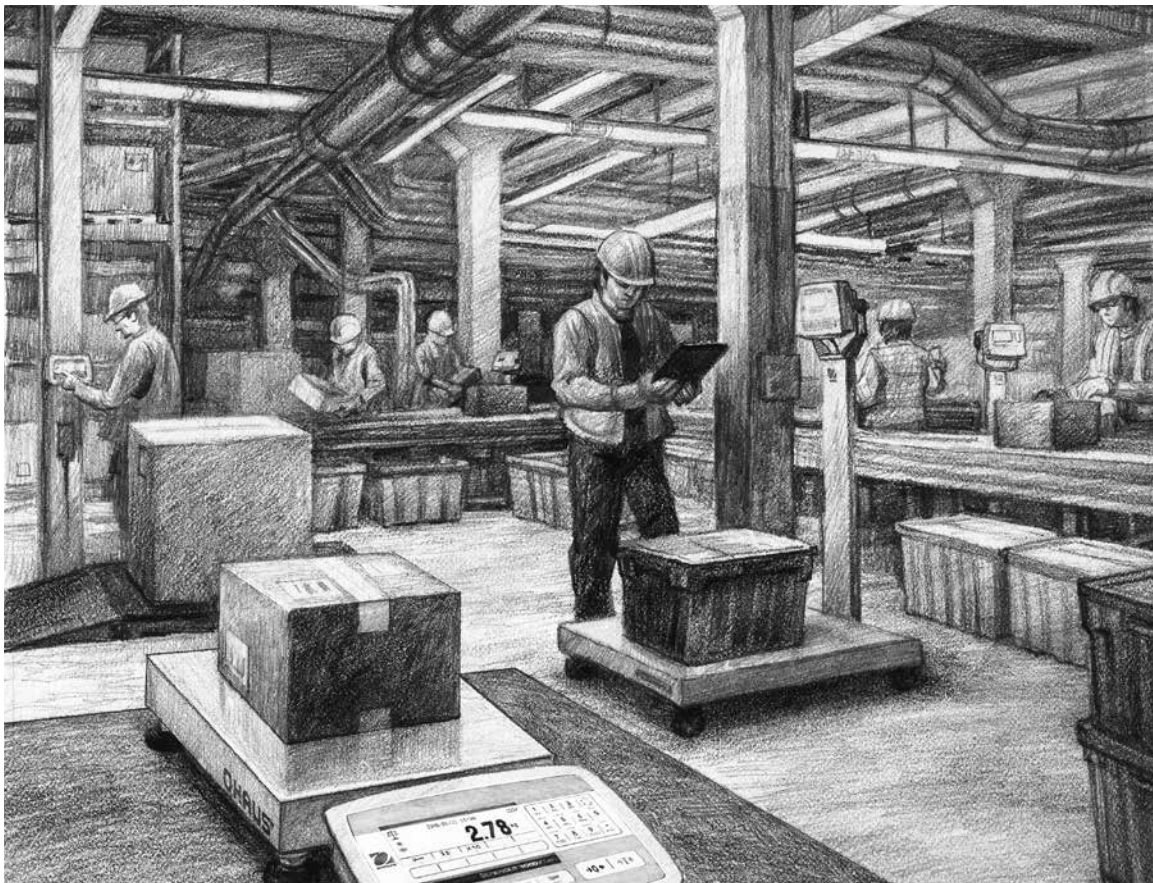
3 **Multiple Application Modes and High Storage Capacity for Greater Flexibility**
Features common industrial modes & supports a 50,000 item library & 1,000 user profiles which can be downloaded/uploaded for easy set-up (with MicroSD Card.) GMP/GLP with time/date for result traceability.

4 **Multiple Connectivity Options for Convenient Data Transfer and Storage**
Results can be stored in the MicroSD card. Data output via built-in RS232 or optional interfaces including RS232/RS485/USB device, Ethernet, Bluetooth™/WiFi™, Analog Output & Discrete I/O with relays.

Defender® 5000 Dry-Use Scales

SIMPLIFY IT

Simplify It in your facility with OHAUS Defender 5000 Bench Scales! Perfect for industrial weighing applications in production, warehousing, inventory, QA/QC, and more, OHAUS Defender 5000 Bench Scales are designed for intuitive use to help you *Simplify It* in your facility.
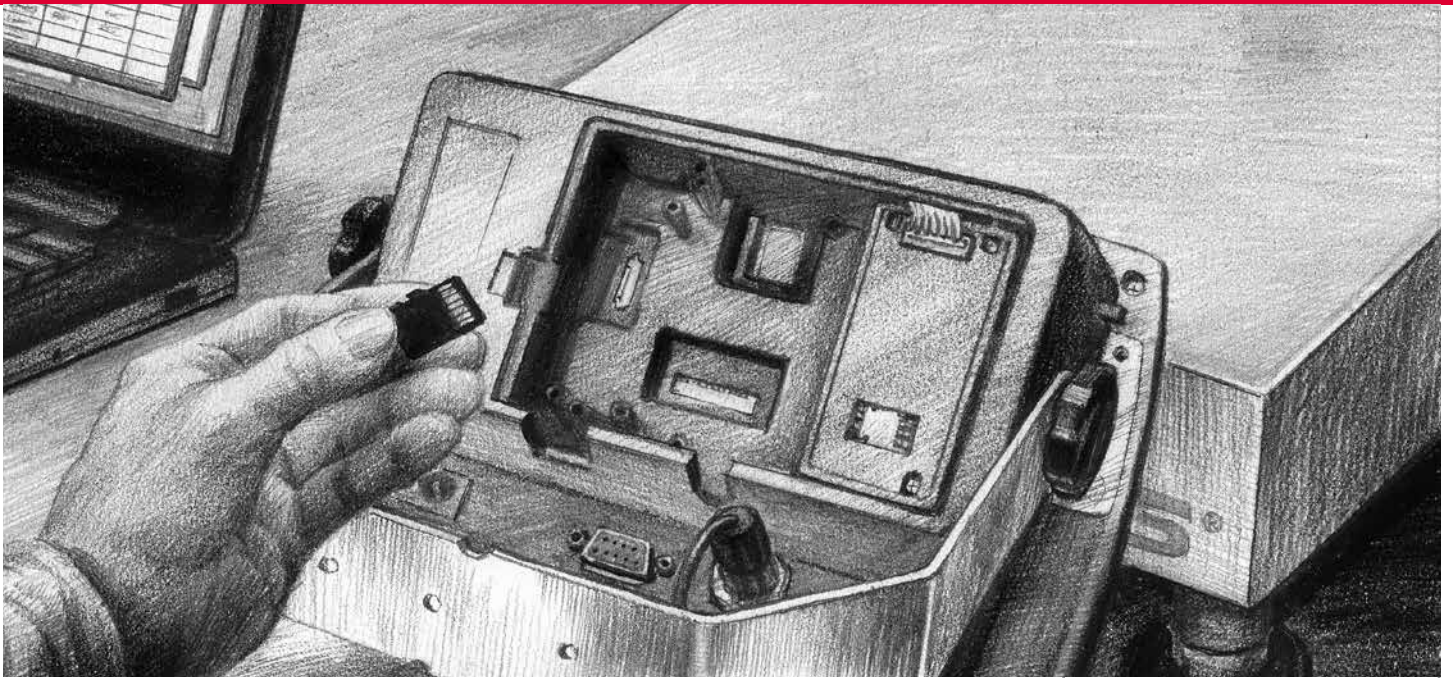
Defender® 5000 Wet-Use Scales

Defend It in your facility with OHAUS Defender 5000 Bench Scales! Durably constructed to *defend against* use in industrial environments, OHAUS Defender 5000 Bench Scales are perfect for weighing applications in production, food processing, warehousing, packaging, and more.

DEFEND IT

Defender® 5000 Indicators

Save It in your facility with OHAUS Defender 5000 Bench Scales! Defender 5000 can save up to 50,000 items and 1000 user profiles when used with a SD card, making it ideal for industrial weighing applications in R&D, QA/QC, production, warehousing, packaging, and more. OHAUS Defender 5000 Bench Scales are designed for high storage capacity to help you *Save It* in your facility.

SAVE IT

OHAUS Defender® 5000 Improvements

The new Defender 5000 adds even more features to our popular Defender series:

- A larger range of bases, with OIML and EC Type dual range 3000e for legal-for-trade use, from 6 to 600 kg.

- Bright dot matrix display with SmarText 3.0 software and alphanumeric keypad for quick use.

- Able to install or remove accessories (including battery) without breaking seal

- Micro SD card standard:

    » Up to 50,000 SKUs and 1,000 user profiles for maximum production tracking. 3 level user management: Administrator, Supervisor & Operator. The authority of Supervisor can be modified by Administrator to fit various work flow. Password change warning and complexity setup available.

    » Weighing results can be stored as either Alibi or regular format for data storage needs. With the latest version ScaleMate software, weighing results can also be exported in pdf format.

- Easy-setup bench scale installation concept.

- Fully customizable print template.

- Metric Ton unit for high capacity use.

- Multiple connectivity options.

- IP68 protection for XW indicators.

Communications

The new Defender® 5000 adds a new level of connectivity and traceability to the OHAUS industrial lines:

- **RS232 included with GMP/GLP output and configurable printout templates**
- **Micro SD Card Slot and Card included**—supports up to 50,000 SKU's data (Weighing, Check & Counting mode), 1,000 users and full Alibi traceability. The Defender 5000 can be programmed using either the included Micro SD card or using the latest version OHAUS ScaleMate software package..

Options:

- **2nd RS232/RS485/USB Device Module**—Use the 2nd RS232 or the USB Device ports for connecting the Defender 5000 to an external device (like a printer). The RS485 port allows integration into systems in noisy industrial environments.
- **Ethernet Module**—Integration into network for data transfer.
- **Bluetooth™/WiFi™**—Allows wireless communication by either Bluetooth or WiFi standards for quick set-up without running cabling to the Defender 5000
- **4-20mA/0-10VDC Analog Output**—Supporting traditional standard for current or voltage loops, the Analog Output option can be used for replacements of older systems as well as integration into PLC systems.
- **2 in / 4 out Discrete I/O with relay**—Can be used to control external process equipment and accept inputs from switches for dedicated systems. Each input and output state can be configured depending on the software mode used, and outputs equipped standard with relays can be used to for process control.

Ethernet

OHAUS Defender® 5000 Scale Configurations

Indicator

Choose Dry Use
ABS Housing or
Washdown Use
Stainless Steel
IP68 Housing

TD52P
ABS Housing

TD52X
Stainless Steel IP68 Housing

Mounting

Choose Powder-Coated Steel
or All Stainless Steel Column
Mount or Stainless Steel
Front Base Mount

| Column Mount Powder-Coated Steel 35 cm | Column Mount Powder-Coated Steel 68 cm | Column Mount Powder-Coated Steel 98 cm | Column Mount Stainless Steel 35 cm | Column Mount Stainless Steel 68 cm | Column Mount Stainless Steel 98 cm | Front Base Mount Stainless Steel |

Base

Choose Powder-Coated Steel Frames
with Stainless Steel platform or
All Stainless Steel Construction

| 305 × 305 mm Powder-Coated Steel 6, 15 kg | 400 × 400 mm Powder-Coated Steel 15, 30, 60 kg | 500 × 500 mm Powder-Coated Steel 60, 150 kg | 610 × 610 mm Powder-Coated Steel 60, 150, 300 kg | 600 × 800 mm Powder-Coated Steel 150, 300, 600 kg |

| 305 × 305 mm All Stainless Steel IP67 6, 15 kg | 400 × 400 mm All Stainless Steel IP67 15, 30, 60 kg | 500 × 500 mm All Stainless Steel IP67 60, 150 kg | 610 × 610 mm All Stainless Steel IP67 60, 150, 300 kg | 600 × 800 mm All Stainless Steel IP67 150, 300, 600 kg |

Accessories

30412537	WiFi/BT Dongle, OHAUS
30424403	Analog output kit, TD52
30424404	RS232/RS485/USB kit, TD52
30424405	Battery kit, Li-ion, TD52
30424406	USB Host for Dongle, TD52
30424021	Light Tower, R-Y-G, IP65, 24VDC
30424022	In-use-cover kit, TD52P
30424023	In-use-cover kit, TD52XW
30469948	In-use Cover set (10), TD52P
30469949	In-use Cover set (10), TD52XW
30424024	Front mount kit, D52
30424025	Printer Holder kit, D52
30424026	Wall mount kit, SST, TD52XW
30424027	Wall mount kit, CS, TD52P
30424409	LC extension cable, 9 meters, D52
30424410	Column kit, 35 cm, CS, D52
30424411	Column kit, 68 cm, CS, D52
30424412	Column kit, 98 cm, CS, D52
30424413	Column kit, 35 cm, SST, D52
30424414	Column kit, 68 cm, SST, D52
30424415	Column kit, 98 cm, SST, D52
30429931	Load cell cable adapter kit, to D52 base
30379716	M16 Gland with Ferrite, to TD52
30303533	Micro SD Card, 8G
30372146	Wheel Kit, Defender Series
30097591	I/O with relay (2 In/4 Out)
30429666	Ethernet kit, D52
30045641	Printer SF40A

Wall mount kit

USB Host for Dongle

WiFi/BT Dongle

Battery kit, Li-ion

M16 Gland with Ferrite

Analog output kit

RS232/RS485/USB kit

Printer Holder kit

Light Tower, R-Y-G

Floor scale cable

I/O with relay (2 In/4 Out)

Notes

OHAUS Corporation

Headquartered in Parsippany, NJ, OHAUS Corporation manufactures an extensive line of weighing scales, lab equipment and lab instruments that meet the weighing, sample processing and measurement needs of multiple industries. We are a global leader in the laboratory, industrial and education markets, as well as a host of specialty markets, including the food preparation, pharmacy and jewelry industries. An ISO 9001:2008 manufacturer, OHAUS lab balances, industrial scales, lab equipment and lab instruments are precise, reliable and affordable, and backed by industry-leading customer support.

Ingeniously Practical