



Prime German-Quality Pallet Scales Fulfill Even the Most Demanding Industry Applications

The OHAUS next generation Defender 5000 series Pallet Scale is a solid lineup of painted steel and stainless steel platforms and scales. Powered by stainless steel IP68 hermetically-sealed load cells that will withstand years of daily usage in industrial environments, these scales offer a unique combination of affordability, versatility and quality that your company can depend on for years.

Standard Features:

- OHAUS Defender 5000 series Pallet Scale is equipped with new TD52 series indicator with an easy-to-use keypad, large backlit display and plain text on-screen prompts which guide you through operation.
- The U-frame provides easy on-and-off loading of open-bottom pallets and containers, reducing risk of injury and over-exertion.
- Four IP68 electro-polished stainless steel load cells that are laser-weld hermetically-sealed and OIML-certified are standard on all models.
- Features common industrial modes and supports a 50,000-item library with 1,000 user profiles for easy data management. GMP/GLP with time/date for result traceability.

DEFENDER® 5000 Pallet Scale

| Platform Models | DFP600J1 | DFP1500J1 |
|---|--|-----------------------------|
| Material | Mild steel, black painted, non-treaded surface | |
| Platform Models | DFP600K1 | DFP1500K1 |
| Material | Stainless steel (AISI 304), bead blasted, non-treaded surface | |
| Platform Capacity | 600kg | 1500kg |
| Maximum Safe Static Load: | | |
| with Central Load | 1,600 kg | 3,000 kg |
| with Side Load | 800 kg | 1,500 kg |
| with Corner Load | 400 kg | 900 kg |
| Feet | 4 x swivel design, stainless steel with rubber caps, adjustable height | |
| Load Cell Model | 4 x OHAUS SBH, double-bending beam, OIML-certified | |
| Load Cell Capacity Emax | 500 kg | 1,000 kg |
| Load Cell Safe Overload Limit | 150% of Emax | |
| Load Cell Material | Stainless steel, electro-polished | |
| Load Cell Protection | IP68, laser-weld hermetically sealed | |
| Load Cell Output Impedance | 350 Ω ± 1 Ω | |
| Load Cell Excitation Voltage | 5V ~ 15V, DC/AC | |
| Load Cell Cable Length | 3.1 m | |
| Junction Box | IP67, Stainless steel (AISI 304), with heavy duty EasyConnect™ cable | |
| Scale Model, Non-Certified, 6000d - 7500d | DFP52xxxx | |
| Scale Model, EU-Certified, 3000e | DFP52xxxx-M | |
| Indicator | TD52P | TD52XW |
| Material and Protection | ABS plastic | Stainless steel (304), IP68 |
| Weighing Units | kg, g, lb, oz, lb:oz, t, ton, custom | |
| Application Modes | Basic Weighing, Percent Weighing, Piece Counting with Optimized APW, Checkweighing/Checkcounting, Dynamic Weighing/Display Hold | |
| Displays | Dot matrix LCD with white LED backlight, 256 x 80 pixels | |
| Interface | "Standard RS232, 8GB MicroSD Card (included) Optional Ethernet, WiFi/Bluetooth, 2nd RS232/RS485/USB, Analog Output, 2 In/4 Out Digital I/O" | |
| Power | 100-240 VAC / 50/60 Hz Universal Power Supply, Hardwired (TD52XW) or Line Cord (TD52P), Rechargeable Lithium battery (optional) | |

Accessories

| | |
|--|----------|
| Column Kit, Painted, Floor Scale | 30047153 |
| Column Kit, SST, Floor Scale | 30047154 |
| 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 |
| Wall Mount Kit, SST, TD52XW | 30424026 |
| Wall Mount Kit, CS, TD52P | 30424027 |
| RS232 Cable for TD52XW | 80500552 |
| RS232 Cable for TD52P | 80500525 |
| RS232 Cable for Reference Balance | 30057595 |
| Printer SF40A | 30064202 |
| LC Extension Cable, 9m, D52 ¹ | 30424409 |
| Ethernet Kit, D52 ² | 30429666 |
| M16 Gland with Ferrite, to TD52 | 30379716 |
| Micro SD Card, 8G | 30303533 |
| Analog Output Kit, TD52 ³ | 30424403 |
| Second RS232/RS485/USB Kit, TD52 ³ | 30424404 |
| I/O with Relay (2 In/4 Out) ³ | 30097591 |
| WiFi/BT Dongle, OHAUS ² (Requires 30424406) | 30412537 |

¹ Cannot be used for legal-for-trade applications

² Only one of them can be used at the same time

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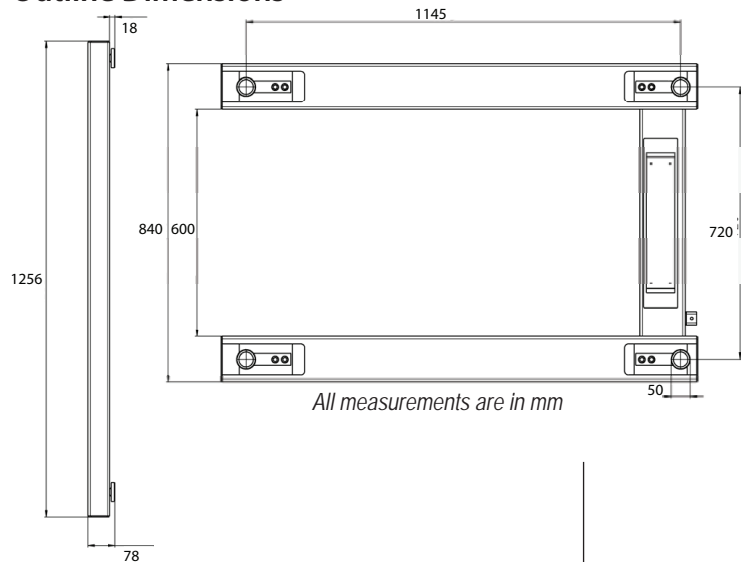
Other Standard Features and Equipment

Structural channel bracing and pendulum design feet with removable rubber cap, 150% overload 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.

Compliance

- **Metrology:** EN 45501:2015 (Certificate T11213, Scale models DF52xxxx-M only)
- **Product Safety:** IEC/EN 61010-1
- **Electromagnetic Compatibility:** IEC/EN 61326-1 Class B, basic environments
- **Compliance Marks:** CE, WEEE

Outline Dimensions



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