



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 with Side Load with Corner Load	1,600 kg 800 kg 400 kg	3,000 kg 1,500 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 $\Omega \pm 1 \Omega$	
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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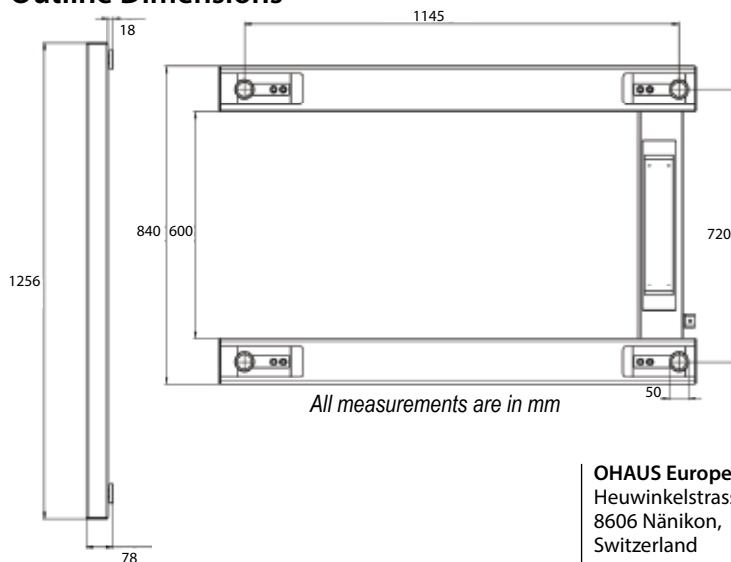
Other Standard Features and Equipment

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



All measurements are in mm

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The management system
governing the manufacture
of this product is
ISO 9001:2015 certified.

