

TPWI-PRO Series EX 3GD ATEX Stainless Steel Pallet Truck Scale Zone 2/22



*As of: Wednesday, August
27, 2025*



Standard Features

AISI 304 stainless steel pallet truck scale for use in ATEX hazardous areas 2 & 22, with Ex II 3G IIC T6 Gc X and Ex II 3D IIIC T115C° Dc X protection. Also available in approved version for legal-for-trade use.

Made, calibrated and adjusted in Italy by Dini Argeo, using certified sample weights.

WEIGHING FEATURES

- Maximum lifting capacity: 2.000 kg; special capacities on request, up to 3.000 kg.
- Resolution:
 - > internal use: 0,2 / 0,5 kg
 - > approved: 0,5 / 1 kg

- Accuracy (weighing of goods on Europallet with distributed load):
 - > internal use: +/- 1 kg
 - > approved: according to CE certification (Directive 2014/31/EU)
- Calibration and Set-Up parameters configurable from keyboard or PC.

WHY CHOOSE TPWI-PRO serie EX 3GD

- Pallet truck scale with thick stainless steel structure, entirely manufactured in Italy.
- Lifting pump manufactured entirely in Italy, available on request for lifting up to 3.000 kg.
- Made with ATEX certified components.
- Can send weight data to devices in a safe area thanks to wireless transmission options.
- Weight indicator with waterproof casing in IP68 stainless steel, easy to clean and resistant in harsh and corrosive environments.
- The large backlit 25 mm LCD display makes it easier to read even in low light conditions.
- Available in approved version for legal-for-trade use.
- Extractable battery, rechargeable in safe area, connectable and disconnectable to the weighing system also in hazardous area.
- Autonomy of about 100 hours, or 24/7 with optional second rechargeable battery.
- Built with 4 Dini Argeo load cells, ATEX certified, in IP68 stainless steel.
- Each pallet truck is tested and supplied with a calibration certificate to guarantee the declared accuracy.
- Special non-standard dimensions available on estimate.

TPWI-PRO Series EX 3GD ATEX Stainless Steel Pallet Truck

Scale Zone 2/22 Specification

TECHNICAL FEATURES

- Low-profile forks, only 85 mm.
- Fork dimensions 1150 x 550 x 85 mm.
- Lifting range: from 85 to 205 mm.
- Pallet truck weight: 135 kg approx.
- Supporting structure made entirely of extra-thick AISI 304 stainless steel.
- Forks in AISI 304 stainless steel.
- Closed fork covers for increased protection of the double load wheels.
- Antistatic guide wheels, with polyurethane coating for smooth running. 200 mm diameter ensures optimum smoothness and manoeuvrability.
- Antistatic loading rollers.
- Lifting pump in AISI 304 stainless steel allowing controlled lowering of the forks.
- Waterproof membrane keyboard, with 17 numeric/functional keys.
- Dini Argeo electronics, ATEX certified, intrinsically safe.
- Standard 110/230Vac 50Hz battery charger with EU, UK, US and AU plugs (recharge time 8 hours).
- Temperature range: -10° / +40° C

OTHER AVAILABLE VERSIONS

- Other capacities / special resolutions: upon request.
- Other special versions: upon request.

TAILORED SIZES FOR EVERY NEED

- TPWI-PRO "EX" 3GD can be manufactured with special fork dimensions:
 - Lengths from 800 up to 2200 mm (up to 1800 mm in approved version)
 - Widths from 400 up to 900 mm (up to 680 mm in approved version)

The Easiest One to Recalibrate and Repair

- The only one without junction box: the adjustment of each single load cell is conveniently carried out from the keyboard.
- Spare parts and wearing parts always available and ready for delivery.
- Specialized service centers throughout Italy.

MAIN FUNCTIONS

- Zeroing, Tare, Printing (only in safe zone).
- High resolution display x 10.
- Net/Gross or lb/kg conversion.
- Weights totalisation, Formulation.
- +/- control.
- Percentage weighing.
- Counting (Max. counting resolution 1.500.000 divisions).
- Set Point Control (with optional interface).

Available Versions

Code	Max (kg)	d (kg)	M (kg)
TPWI-PRO-EX3GD	1000 / 2000	0,2 / 0,5	--
TPWIM-PRO-EX3GD M	1000 / 2000	--	0,5 / 1

Parts

Part #	Description
{#Available Versions}	
TPWI-PRO-EX3GD	ATEX pallet truck scale (zone 2/22) and stainless steel structure, with 1000/2000 kg double range capacity, 0,2/0,5 kg division. Multifunction weight indicator with stainless steel IP68 case, 17-key keypad and LCD display. Ex II 3G IIC T6 Gc X and Ex II 3D IIIC T115°C Dc X protection. Fitted with manuals and conformity declaration (available in IT, EN, FR, DE).
TPWIM-PRO-EX3GD	Approved ATEX pallet truck scale (zone 2/22) stainless steel structure, with 1000/2000 kg dual range capacity, 0,5/1 kg division. Multifunction weight indicator with stainless steel IP68 case, 17-key keypad and LCD display. Ex II 3G IIC T6 Gc X and Ex II 3D IIIC T115°C Dc X protection. Fitted with manuals and conformity declaration (available in IT, EN, FR, DE).

Options

Part #	Description
{#Special calibrations}	
FS1500M2R	Double range capacity option of 600/1.500 kg for CE-M approved pallet truck scales, with resolution of 0,2/0,5 kg and CE approved accuracy, in accordance with Directive 2014/31/EU.
FS1500M	Single range capacity option of 1.500 kg for CE-M approved pallet truck scales, with resolution of 0,5 kg and CE approved accuracy, in accordance with Directive 2014/31/EU
FS2500M	Double range high capacity option of 1.500/2.500 kg for CE-M approved pallet truck scales, with a resolution of 0,5/1 kg and CE approved accuracy, in accordance with Directive 2014/31/EU
FS2500	Single range high capacity option of 2.500 kg, keeping standard resolution. Accuracy as standard up to 2.000 kg; ± 2 kg from 2.000 kg up to 2.500 kg.
{#Calibration service (ACCREDIA/DAKKS) only at time of order}	
CT7	ISO 17025 calibration certificate from 1501 to 3000 kg for single scale/platform. For precision balances, industrial and crane scales. The certificate is provided in digital format (pdf) and sent by e-mail.
{#Parking Brake}	
TPWIBRK	Stainless steel parking brake system with command pedal mounted on steering wheels. For TPWI-PRO series pallet truck scales.
{#Extractable additional battery}	
BP6ESTATEX3GD	IP65 stainless steel, external ATEX battery pack, for 2 and 22 zones. Marking: ATEX II 3G Ex ec IIC T6 Gc X for gas and ATEX II 3D Ex tc IIIC T85°C Dc IP65 X for dust. For Dini Argeo ATEX 3GD instruments. ATTENTION: rechargeable in safe zone only, connectable and disconnectable from the weighing system also in hazardous area. (Battery charger not included).
{#Stainless steel kit for orientable head}	
TPWISWH-1	Stainless steel kit for orientable head, for TPWI (only available at time of order).
{#Communication Interfaces}	
OBRF2G4-3GD	2.4 GHz radio frequency module for ATEX 2 & 22 zones. ABS IP66 case, 3 m shielded cable, and power supply from indicator. Protection: ATEX II 3G Ex ec IIC T6 Gc X for gases and ATEX II 3D Ex tc IIIC T85°C Dc IP66 X for dust. Max. functioning distance, in appropriate environmental and installation conditions: 45 m indoors, 140m outdoors. 39 configurable channels. Provided with safety instructions and the ATEX EU declaration of conformity (EN, DE, FR and IT).
OBWIFI3GD-5	WIFI module for ATEX zones, with ABS IP66 case, 3 m shielded cable, and power supply from indicator. Protection: ATEX II 3G Ex ec IIB T6 Gc X for gases and ATEX II 3D Ex tc IIIC T85°C Dc IP66 X for dust. Max. functioning distance, in appropriate environmental and installation conditions: 30m indoors, 70m outdoors. Provided with safety instructions and the ATEX EU declaration of conformity (EN, DE, FR and IT).
ALMEM-1	Alibi memory (fiscal memory, max 120.000 weighs) for approved weight transmission to PC/PLC or data recording on MMC/USB. Built-in real time clock to print the date/time with PCB, screw terminal, plastic

Part #	Description
	box and UL-marked labels. If applicable, it requires FW 05.00.02 or higher. Not compatible with weight repeaters.

{#Digital Input / Output}

DFIO3GD-1	ATEX 3GD built-in 2 IN/6 OUT interface (requires FW 05.05.00 or higher).
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{#Accessories for cleaning}

SSCLEANER	Detergent for cleaning and polishing stainless steel surfaces. Pack of 1l.
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{#Other options}

ECEMDOC	Printed EU declaration of conformity, EU certificate of verification, test certificate and metrological book (free download from our website, only for approved CE-M products). NET €.
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