

TPW EX 3GD ATEX Pallet Truck Scale Zone 2/22



Standard Features

ATEX pallet truck scale for use in areas classified as hazardous (ZONE 2 and 22) with type of protection in accordance with Ex II 3G IIC T6 Gc X and Ex II 3D IIIC T115C° Dc X. Available in approved version for legal-for-trade use. Manufactured, calibrated and adjusted in Italy by Dini Argeo, using certified sample masses.

WEIGHING FEATURES

- Maximum lifting capacity: 2,000 kg.
- Resolution:
 - internal use: 0,2 kg
 - approved: 0,5 / 1 kg
- Accuracy (weighing of goods on Europallet with distributed load):
 - internal use: +/- 0,5 kg
 - approved: according to CE certification (Directive 2014/31/EU)
- Calibration and Set-Up parameters configurable from keyboard or PC.

WHY CHOOSE DINI ARGEO TPW EX 3GD

- Pallet truck scale made with ATEX certified components, suitable for use in hazardous areas (zone 2 and 22).
- Thanks to the resolution up to 100 g, it can weigh with the highest accuracy.
- Available in approved version for legal-for-trade use.
- Built with 4 ATEX-certified Dini Argeo load cells in IP68 stainless steel.
- Fitted with wireless connection for communication to the safe area.
- 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.
- 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.
- Each pallet truck is tested and supplied with a calibration certificate to guarantee the declared accuracy.

TPW EX 3GD ATEX Pallet Truck Scale Zone 2/22 Specifications

Technical Features

- Forks with low profile, only 85 mm.
- Forks dimensions 1150 x 550 x 85 mm.
- Lifting height 200 mm.
- Weight approx. 125 kg.
- Bearing structure in extra-thick steel, oven-fire painted.
- Optional stainless steel forks.
- **Standard swivelling head +/-160°.**
- Steering wheels and loading rollers with polyurethane coating.
- Quick-lift hydraulic pump allowing controlled lowering of the forks.
- Membrane waterproof keyboard with 17 numeric/functional keys.
- Battery charger 230Vac 50Hz with EU, US, UK, AU plug as standard (charging time 12 hours) for charging in safe area.
- Serial port for radio communication (option OBRF3GD-x), Wi-Fi (option OBWIFI3GD-x) or downloading of weighs (option TPWMEM3GD-x).
- Operating temperature: -10° / +40° C

Available Upon Price Estimate

- Non-standard forks (both in length and width)
- High resolution 0,1 kg
- Approved load capacity 600 kg, resolution 0,2 kg
- Approved load capacity 600 / 1.500 kg, resolution 0,2 / 0,5 kg
- Approved load capacity 1.500 kg, resolution 0,5 kg
- Approved load capacity 1.500 / 2.500 kg, resolution 0,5 / 1 kg
- Load capacity 2.500 kg
- Other capacities / special resolutions: upon request
- Other special versions: upon request

The Easiest One to Recalibrate and Repair

- The only one without junction box: the adjustment of every single 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:

- High resolution display x 10
- Net/Gross
- lb/kg conversion
- Free conversion factor (for meter-counting, litre-counting systems etc)
- Weight totalisation
- Formulation
- +/- control, with quick insertion of targets and thresholds
- Percentage weighing
- Piece counter
- Set Point Control (with optional interface)

Available Versions

Code	Max (kg)	d (kg)	M (kg)	d HR (kg)
TPWX3GD-3	2000	0,2	--	0,1*
TPWX3GDM-2 	1000 / 2000	--	0,5 / 1	

(*) d HR: High resolution available with the corresponding TPWHRES option.

WARNING

For direct weighing of light metals such as aluminum, magnesium, titanium and their alloys, the use of optional **STAINLESS STEEL** fork covers is necessary.

Parts

Part #	Description
{#Available Versions}	
TPWX3GD-3	ATEX pallet truck scale (zone 2/22) with 2000 kg capacity, 0,2 kg division, and painted steel structure. Multifunction weight indicator with IP68 stainless steel case, 17-key keypad, and backlit LCD display. Ex II 3G IIC T6 Gc X and Ex II 3D IIIC T115°C Dc X protection. Fitted with manual and conformity declaration (available in IT, EN, FR, DE).
TPWX3GDM-2	Approved ATEX pallet truck scale (zone 2/22) with 1000/2000 kg dual range capacity, 0,5/1 kg division and painted steel structure. 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}	
FS600M	Single range capacity option of 600 kg for CE-M approved pallet truck scales, with resolution of 0,2 kg and CE approved accuracy, in accordance with Directive 2014/31/EU.
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.
TPWHRES	High resolution version for pallet truck scale, d = 0,1 kg.
{#Calibration service (ACCREDIA/DAKKS) only at time of order}	
CT6	ISO 17025 calibration certificate from 301 to 1500 kg for single scale/platform. For precision and industrial scales, crane scales. The certificate is provided in digital format (pdf) and sent by e-mail.
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.
{#Special Sizes}	
TPWWFEX-2	Version with wide forks (680 mm), for ATEX pallet truck scales. Note: In the case of brake combination, choose option TPWFRE-1.
{#Parking brake}	
TPWFRE	Parking brake system with command pedal mounted on steering wheels.
TPWFRE-1	Parking brake system with command pedal for wide fork version (TPWWF-x) and TPWN serie, mounted on steering wheels. Please note: This brake is not compatible with the accessory wheels for this product.
{#Stainless steel fork covers}	
TPWXFI	Stainless steel fork covers. To be combined with TPW pallet trucks, not sold individually.
{#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).
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 box and UL-marked labels. If applicable, it requires FW 05.00.02 or higher. Not compatible with weight repeaters.
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).
{#Extractable additional battery}	

Part #	Description
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).

{#Storing Weighments}

TPWMEM3GD-2	8GB internal memory.
SWM	"WeiMonitor" PC program to monitor and record in real time weighs performed on the connected scale (the price is intended for the license to manage one scale).

{#Optional steering wheels (only when ordering)}

TPWRAS	Set of antistatic polyurethane steering wheels. Compatible with both wide and standard forks. Please note: when combined with wide forks, the guide wheels do not allow the TPWFRE-1 parking brake to be fitted.
TPWRNY	Set of nylon steering wheels. Compatible with both wide and standard forks. Please note: when combined with wide forks, the guide wheels do not allow the TPWFRE-1 parking brake to be fitted.

{#Other options}

TECSUP	Technical assistance by telephone upon request.
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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