

TPWI-PRO-EX3GD

TPWI-PRO series "EX" 3GD PALLET TRUCK SCALE IN STAINLESS STEEL ZONE 2/22



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.

**The best solution
for advanced industrial
applications**

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.

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

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).

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)

DETAIL 1



Extractable battery

VERSIONS

Available versions

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



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INSTRUMENTS Ltd
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DINI ARGEO
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SALES AND TECHNICAL ASSISTANCE SERVICE