



TOTAL WEIGHING SOLUTION™

CPS-3 Pallet Jack Scale

Operator Manual



(800) 223-4227
www.cas-usa.com

U31025110

Thank you for purchasing the CAS CPS-3 Pallet Jack Scale. For your safety and correct operation of the scale, please read these instructions carefully before using it.

NOTE:

- (1) All of the information reported herein is based on data available at the moment of printing. The factory reserves the right to modify the CPS-3 without notice.
- (2) Batteries must be sufficiently charged.


Guide to Safe Operation

For safe operation of the truck, please read all warning signs and instructions in this manual and on the pallet jack scale before use.


- * DO NOT operate the pallet truck unless you are familiar with it and have been trained or authorized to do so.
- * DO NOT operate the truck unless you have checked its condition. Give special attention to the wheels, the handle assembly, the forks, lift and the lower control.
- * DO NOT use the truck on sloping ground.
- * Never place any part of your body in the lifting mechanism or under the forks or load. Do not carry passengers.
- * The operator should wear gloves and safety shoes for protection.
- * DO NOT handle unstable or loosely stacked loads.
- * DO NOT overload the truck.
- * DO NOT subject to unbalanced load, either side to side or along the length of the frame (refer to Fig. 2/B).
- * The capacity of the truck assumes an evenly distributed load with the center of the load being at the halfway point of the length of the forks (refer to Fig. 2).
- * Make sure the length of the forks matches the length of the pallet.
- * Lower the forks to lowest height when the truck is not being used.
- * At other specific conditions or places, the operator should operate the pallet truck carefully.

Weighing Operation

Put the control lever in the LOWER position and lower the truck to lowest position.


Press the  key to turn the system on. After the start-up sequence the indicator will display the weight.

Weighing method for gross weight:

Press the  key to set the gross weight to 0. Put the forks under the pallet and check that the load is properly balanced. Put the control lever in the ASCENT position; pump the handle to make the forks rise until the pallet has left the ground. When the indicator is stable, the gross weight of the goods (total weight of the pallet and the goods) is shown.

Weighing method for net weight:




To display the weight of the goods without the weight of the pallet (or other container):

- (1) Weigh single standard pallet, for example: weight of pallet: 40lb.
- (2) Press the  key, the indicator will display "0lb".
- (3) Remove the pallet from the forks, the indicator will display "- 40lb".
- (4) Weigh the goods on the pallet as shown in 7.3, when the indicator is stable, the net weight of the goods is shown.

Switch between kg and lb:

When the weight is shown in kg's, press the lb/kg key shortly and the unit shown will switch to lb. Press the lb/kg key again and the unit shown will switch back to kg.

Totaling:

- (1) Press the  key to add the weight of the pallet to the total weight.
- (2) Press and hold the  key to display the total weight. The weight of the pallet will not be added to total weight.
- (3) When the total is shown, press the  key shortly to reset the total weight to 0. If there is a printer, the total weight will be printed.
- (4) Turn off the Indicator.

Press the  key until the indicator displays "OFF". Releasing the key will turn off the indicator.

The indicator on the pallet truck scale uses 4 "AA" size batteries. Alkaline batteries are recommended. Change the batteries when the battery indicator is shown in the display.

Battery Power Data and Replacement

How to change batteries:

- (1) Loosen the screws on the battery cover and remove the cover.
- (2) Replace the 4 "AA" batteries in the battery holder, taking care to place them in the same direction.
- (3) Screw the battery cover plate back into position.

Oil:

Please check the oil level every six months. The volume of oil is about 0.3lt. Use the hydraulic type oil according to temperature scale below.

Maintenance

- * Temperature: -20 degrees C ~ +40 degrees C
- * Oil: L-HV46 Hydraulic Oil

How to expel air from the pump unit:

Air may get into the hydraulics during transportation or when a pump is stored upside down. This can prevent the forks from lifting while pumping with the lever in the ASCENT position. The air can be expelled in the following way: Lift the control lever to the LOWER position, then move the handle up and down several times.

Daily check and maintenance:

Daily check of the pallet jack scale will limit wear as much as possible. Give special attention to the wheels, the axles, the handle, the forks and lift and lower control. The forks should be unloaded and lowered in the lowest position when the job is over.

Lubrication:

Use motor oil or grease to lubricate all moveable parts.

Issue	Cause	Solution
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Troubleshooting

Forks cannot be lifted to max. height	There is not enough hydraulic oil	Add filtered oil
Forks do not lift at all	There is no hydraulic oil	Add filtered oil
	The oil has impurities	Change the oil
	Discharge valve is out of adjustment	Adjust setting screw
	Air in hydraulic oil	Expel the air (See Maintenance)
Forks cannot be lowered	The rod and the cylinder become deformed due to serious unbalanced load	Call your local CAS Service Representative
	Component deformation due to unbalanced load	
	Forks were kept a high position for extended time	
	Setting screw in incorrect position	
Leaks	Seals worn or damaged	Call your local CAS Service Rep
Forks descend without being lowered	Discharge valve failed to close due to impurities in the oil	Add filtered oil
	Air in the oil	Expel the air (See Maintenance)
	Seals worn or damaged	Call your local CAS Service Rep
	Discharge valve out of adjustment	Call your local CAS Service Rep

*Note: Do not attempt to repair the pallet truck unless you are trained and authorized to do so.

Reference Figures

