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Manual Crane Scale PCE-CS 300



CAUTION: Safety Information

Since the elevation of loads might involve some hazards, the manufacturer and operator should consider some precautionary measures. The operation with the measuring device should never lead to hazardous situations.

The person that is in-charge of the device and any operator must follow any national guidelines, e.g. accident prevention regulations, safety regulations, standard operation procedures and any other regulations that are relevant in terms of operation with the device. There are also further guidelines, standards and safety regulations that must be considered regarding this device, e.g. those of the manufacturer of the crane, manufacturer of the scale, manufacturer of the shackle etc.

Thus the montage, initiation, maintenance and operation of the device is only permitted for a person with special training and with the accordant safety equipment.

The measuring device cannot be alternated and must be applied only for the accordant applications.

The device and all the involved equipment (e.g. the crane, the load suspension means etc.) must run through regular maintenance, which must be protocolled. At least a thorough visual inspection should be performed prior to every operation. In case the system is incomplete or if there are any damages (e.g. fractures, deformation, chippings etc.) any further operation of the device must be blocked immediately. Therefore you should consult the safety delegate in your company.

Any kind of repairs should be performed by trained personnel. Therefore only tested repair parts should be used. All repairs, any maintenance and integrated replacement parts must be documented by the partnered service.

The instruction manual as well as the safety precautions should be always placed in reach near the device.

The device is **not Ex- proved**. Thus it should not be installed within the reach of explosive hazardous locations. The surrounding conditions, e.g. temperature ranges, can be read in the instruction manual. Aggressive application ranges, for example locations that are hazardous for corrosion should be avoided. In case of larger temperature fluctuations an acclimation period should be considered.

The measuring device is only allowed for the elevation and weighing of maneuverable load. A contortion of the load (rotational tension) must be avoided. Carrying persons, diagonal pulling, tearing and towing of the load is forbidden.

The permitted nominal load [MAX] of the measured good and all the equipment involved in the measuring process (e.g. crane, load suspension means etc.) cannot be trespassed in any case.

During the operation of the device, all potential hazardous situations should be considered. During operation avoid standing within the hazardous area. This might not only be the area right underneath the elevated load, but also areas that might become hazardous, for example due to deflecting ropes or other equipment after snapping off.

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Maintenance and Control

Inspection prior to each operation with the device

An inspection of the device must be performed prior to the initiation of the operation. The operator must check the following aspects:

- There should be no visible deformation or damages, e.g. fractures.
- All compartments and attaching parts should be complete and in a flawless condition (e.g. safety splints etc.)
- The entire system must be installed neatly so that there is no potential hazard (e.g. due to faulty montage)
- That the surrounding environment should clear from any hazards, and if there is some potential left, accordant counteractions must be taken.

Regular inspection / maintenance

Every three months or after 12,500 measurements (whichever occurs first)	<ul style="list-style-type: none"> - Control level of abrasion on attaching parts. - Control all dimensions. - Check on every possible deformation and damages. - Assure an accordant operation of all parts.
Every 12 months or after 50,000 measurements (whichever occurs first)	<ul style="list-style-type: none"> - Check all parts that carry the load e.g. on hairline cracks etc. The maintenance should be performed by specialised personnel.
Every 5 years or after 250,000 measurements (whichever occurs first)	<ul style="list-style-type: none"> - All parts that carry the load must be replaced.
Every 10 years or after 500,000 measurements (whichever occurs first)	<ul style="list-style-type: none"> - Life time of measuring device is fully consumed. The entire measuring device must be replaced.

Only the owner or operator takes responsibility for material damage and physical injuries resulting from improper application or violation of the guidelines. The manufacturer does not assume any liability. The safety measures are only an extract from effective standards and guidelines, containing several notes and advices. Those do not substitute these guidelines and standards, rather than facilitating as a courtesy for a safe operation of the device. Please familiarize yourself with the effective standards and guidelines in your country prior to the operation.

Control elements of the scale



- Turn scale on and off



- Turn on the scale after it went into an automatic shut-down after 30 minutes.



- Turns the scale off
(important: this mode leads to higher power consumption (approx. 30 mA), therefore we recommend to use the red button at the back of the scale to turn off the scale)



- Adjustment of resolution (0.10 or 0.05)



- tare function



- Infrared interface

Control elements of remote control

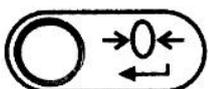


- Turn off the device

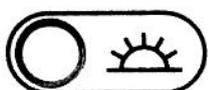
(Important: this mode leads to higher power consumption (approx. 30 mA), therefore we recommend to use the red button at the back of the scale to turn off the scale).



- facilitates adjusting the resolution (0.10 or 0.05)



- tares the scale



- Key is not occupied.

Calibration mode

Never perform a calibration without calibration weights.

1. Turn off the scale.
2. Remove all weights from the scale, so that the scale is unloaded.
3. Keep the  key pressed and turn on the scale.
4. Now release the  button and the display should show "SPEN" now.
5. Press the  button again briefly. The display will now show "SET" and then "00000".
6. Now set the weight on same value as your calibration weight, by choosing values with the  button and jumping to next digit left to the prior by pressing the  button.
7. Press again briefly the  button, to save value.
8. The scale will then automatically switch to the normal weighing mode.

Settings in internal menu

1. Turn on the scale
2. While the scale plays a countdown from 9 to 0 on its display, briefly press .
3. Now the display will indicate "bEE 0".
4. With  you can switch the acoustic signal for stabilized values on ("1") or off ("0").
5. Confirm with .
6. Now the display will indicate "CHt 0". With  you can now chose the unit.
7. Press  again to confirm.
8. Now the display will indicate "Aut 0". Here you can either turn off the background lights ("0") or switch to Automatic mode ("1").

Disposal

Batteries may not be put in the household waste. They have to be given in the set up collection points.

Please contact PCE Instruments if you have any questions concerning our products, service etc.

WEEE.-Reg. -Nr.: DE69278128

