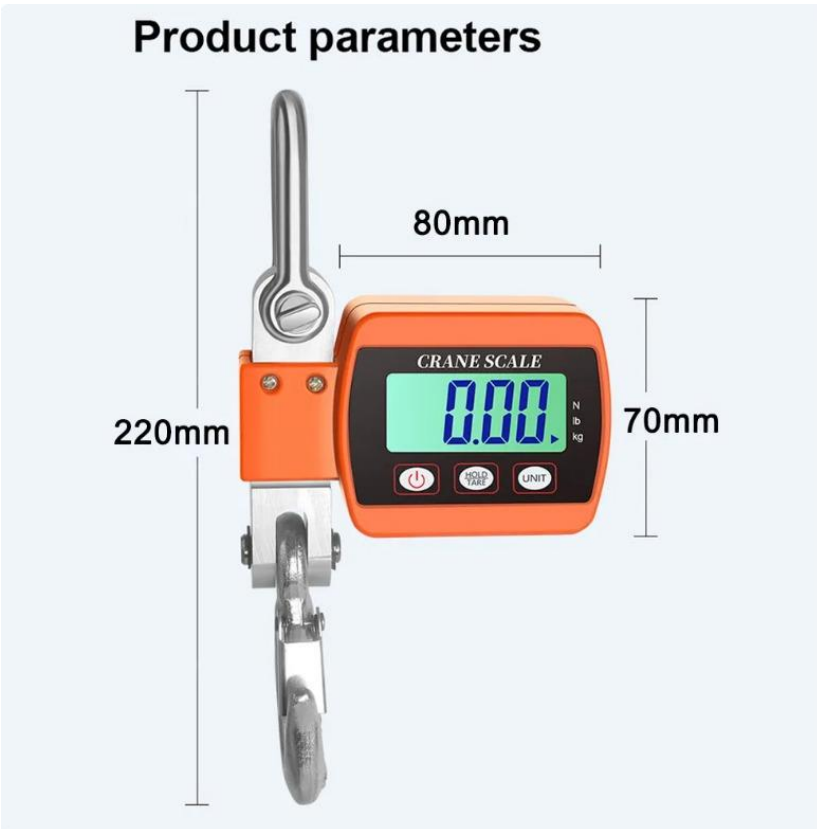
OCS-S

High Resolution Digital Crane Scale



Technical Manual

Content

Please read this manual carefully before using.

Version：V1.0A-1

1. Scale Configuration

☑ Press ⏻ , TARE/ZERO and HOLD/UNIT together, and keep pressing these 3 keys for 1s to enter Password mode. P0000 shows.

☑ Press TARE/ZERO to change digit. Long press TARE/ZERO to right scroll digit. Input password P0258 .

☑ Press HOLD/UNIT to confirm password, and enter Scale Configuration. SCALE shows.

ⓘ Parameters in Scale Configuration are closely related to scale's metrology performance. It is NOT recommended to change any parameters unless you are authorized from your local representative.

Display Resolution

☑ Press HOLD/UNIT to enter Display Resolution. E---- shows.

☑ Press TARE/ZERO to change resolution value.

↳ Display Resolution can be set to: 0.001, 0.002, 0.005, 0.01, 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50.

Designed to meet the OIML R76's directive, the scale has the best (default) performance at 2000 to 3000 division.

Auto-Zero Range

☑ Press HOLD/UNIT to enter Auto-Zero Range. AZ--- shows.

☑ Press TARE/ZERO to change range.

↳ Auto-Zero Range can be set to: 0(disabled), 2(±2%FS), 3(±3%FS), 4(±4%FS), 10(±10%FS), 20(±20%FS), 100(±100%FS). It is set to ±20%FS by default.

Upon boot-up, scale automatically zeros.

Manual-Zero Range

☑ Press HOLD UNIT to enter Manual-Zero Range. n--- shows.

☑ Press TARE ZERO to change range.

Manual-Zero Range can be set to: 0(disabled), 2(±2%FS), 3(±3%FS), 4(±4%FS), 10(±10%FS), 20(±20%FS), 100(±100%FS). It is set to ±4%FS by default.

Zero is allowed only when weight is within Manual-Zero range.

Zero-Tracking Range

☑ Press HOLD UNIT to enter Zero-Tracking Range. t--- shows.

☑ Press TARE ZERO to change range.

Zero-Tracking Range can be set to: 0.0(disabled), 0.5(±0.5e), 1.0(±1.0e), 1.5(±1.5e), 2.0(±2.0e), 2.5(±2.5e), 3.0(±3.0e), 3.5(±3.5e), 4.0(±4.0e), 4.5(±4.5e), 5.0(±5.0e). It is set to ±0.5e by default.

Enabling Zero-Tracking will enhance scale temperature and drift performance.

Zero Range

☑ Press HOLD UNIT to enter Zero Range. r--- shows.

☑ Press TARE ZERO to change range.

Zero Range can be set to: 0.0(disabled), 0.5(±0.5e), 1.0(±1.0e), 1.5(±1.5e), 2.0(±2.0e), 2.5(±2.5e), 3.0(±3.0e), 3.5(±3.5e), 4.0(±4.0e), 4.5(±4.5e), 5.0(±5.0e). It is set to ±5.0e by default.

Zero Range defines the range that scale must fall into before other operation becomes active. When load is removed from scale, left weight must be lighter than the value set.

Zero-Saving

☑ Press HOLD UNIT to enter Zero-Saving. 5Z--- shows.

☑ Press TARE ZERO to change Zero-Saving status.

↳ Zero-Saving can be set to: on(enabled), oFF(disabled). It is set to disabled by default.

☐ When Zero-saving is enabled, Auto Zero is disabled automatically. Scale calculates weight based on the last Zeroing action.

Anti-Motion Level

☑ Press HOLD UNIT to enter Anti-Motion Level. Stb - shows.

☑ Press TARE ZERO to change level.

↳ Anti-Motion Level can be set to: 0(disabled), 1(weakest), 2(weak), 3(normal), 4(strong), 5(strongest). It is set to weakest by default.

☐ At the cost of measuring time, Anti-Motion intelligently settles down weight reading when scale is in motion. The weaker Anti-Motion is, the faster weight reading displays, but the longer it takes to get stable weight reading.

Dynamic Weighing

☑ Press HOLD UNIT to enter Dynamic Weighing. dy--- shows.

☑ Press TARE ZERO to change Dynamic Weighing status.

↳ Dynamic Weighing can be set to: on(enabled), oFF(disabled). It is set to disabled by default.

☐ In some special application where scale's accuracy is not so important as scale's stability for weight reading and data printing, Dynamic Weighing can be enabled to settle down the weight reading faster.

Gravity Acceleration

☑ Press HOLD UNIT to enter Gravity Acceleration. G- - - - shows.

☑ Press TARE ZERO to change digit. Long press TARE ZERO to right scroll digit. Long press HOLD UNIT to input decimal point. Input Gravity Acceleration value.

↳ Gravity Acceleration can be set from to: 0.000 to 9999 . It is set to 9.794 by default.

☐ Adjust Gravity Acceleration, only when you use the scale in a place where acceleration of gravity is greatly different from the place where the scale is calibrated.

User Unit

☑ Press HOLD UNIT to enter User Unit. U- - - - shows.

☑ Press TARE ZERO to change digit. Long press TARE ZERO to right scroll digit. Long press HOLD UNIT to input decimal point. Input User Unit value.

↳ User Unit can be set from to: 0.000 to 9999 . It is set to 1.000 by default.

☐ User Unit is a named unit which is usually used in user's region, but not included in scale by default, like kg, lb, etc. It is a ratio to System Unit. For example, if User Unit is set to 1.234 and System Unit is kg, then after switching to User Unit, scale calculates weight (1000kg), and displays the calculated value (1234usr).

2. Calibration

☑ Press ⏻ , TARE ZERO and HOLD UNIT together, and keep pressing these 3 keys for 1s to enter Password mode. P0000 shows.

☑ Press TARE/ZERO to change digit. Long press TARE/ZERO to right scroll digit. Input password P8416 .

☑ Press HOLD/UNIT to confirm password, and enter Calibration. CAL shows.

ⓘ It is NOT recommended to enter Calibration unless you are authorized from your local representative.

Calibration Unit

☑ Press HOLD/UNIT to enter Calibration Unit. Un -- shows.

☑ Press TARE/ZERO to change Calibration Unit.

↳ Calibration Unit can be set to: KG(kg), LB(lb). It is set to kg by default.

Calibration Gravity Acceleration

☑ Press HOLD/UNIT to enter Calibration Gravity Acceleration. G---- shows.

☑ Press TARE/ZERO to change digit. Long press TARE/ZERO to right scroll digit. Long press HOLD/UNIT to input decimal point. Input Calibration Gravity Acceleration value.

↳ Calibration Gravity Acceleration can be set from to: 0.000 to 9.999 . It is set to 9.794 by default.

Max. Cap.

☑ Press HOLD/UNIT to enter Max. Cap.. 00000 shows.

☑ Press TARE/ZERO to change digit. Long press TARE/ZERO to right scroll digit. Long press HOLD/UNIT to input decimal point. Input Max. Cap. value.

↳ Max. Cap. can be set from to: 0.0000 to 99999.

ⓘ Do NOT attempt to set Max. Cap. greater than scale's actual capacity. Overloading causes severe harm to scale, and is very

dangerous.

Zero Detection

- ☑ Press HOLD UNIT to enter Zero Detection. LoAd0 shows.
- ☑ Keep scale no load. Press HOLD UNIT to display weight code 12345 .
- ☑ Wait until weight code is stable. Press HOLD UNIT to start weight detection. Scale automatically enters Load1 Detection.

Load1 Detection

- ☑ LoAd1 shows.
- ☑ Load standard weight, press HOLD UNIT . 00000 shows.
- ☑ Press TARE ZERO to change digit. Long press TARE ZERO to right scroll digit. Long press HOLD UNIT to input decimal point. Input weight value.
- ☑ Keep load stable. Press HOLD UNIT to display weight code 23456 .
- ☑ Wait until weight code is stable. Press HOLD UNIT to start weight detection. Scale automatically enters Load2 Detection.

Load2 Detection

- ☑ LoAd2 shows.
- ☐ If one weight calibration is enough, press ⏻ to exit Calibration.
- ☑ Load standard weight, press HOLD UNIT . 00000 shows.
- ☑ Press TARE ZERO to change digit. Long press TARE ZERO to right scroll digit. Long press HOLD UNIT to input decimal point. Input weight value.
- ☑ Keep load stable. Press HOLD UNIT to display weight code 34567 .

☑ Wait until weight code is stable. Press HOLD UNIT to start weight detection. Scale automatically enters Load3 Detection.

Load3 Detection

☑ LoAd3 shows.

☐ If two weights calibration is enough, press ⏻ to exit Calibration.

☑ Load standard weight, press HOLD UNIT . 00000 shows.

☑ Press TARE ZERO to change digit. Long press TARE ZERO to right scroll digit. Long press HOLD UNIT to input decimal point. Input weight value.

☑ Keep load stable. Press HOLD UNIT to display weight code 45678 .

☑ Wait until weight code is stable. Press HOLD UNIT to start weight detection. Scale automatically exits Calibration.