OCS-S High Resolution Digital Crane Scale



Technical Manual

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Please read this manual carefully before using.

Version: V1.0A-1

1. Scale Configuration

- Press , , and together, and keep pressing these 3 keys for 1s to enter Password mode.
- Press to change digit. Long press to right scroll digit. Input password **?0258**.
- Press to confirm password, and enter Scale Configuration.
- 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 to enter Display Resolution. F--- shows.

 Press to change resolution value.
- Display Resolution can be set to: 000 1, 0002, 0005, 00 1, 002, 005, 0, 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 ro enter Auto-Zero Range. ?: --- shows.
- Press to change range.

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

 Upon boot-up, scale automatically zeros.

Manual-Zero Range

Press ROLD to enter Manual-Zero Range. 7 shows.

Press REED to change range.

Manual-Zero Range can be set to: (disabled), $(\pm 2\%\text{FS})$, $(\pm 3\%\text{FS})$, $(\pm 4\%\text{FS})$, $(\pm 100\%\text{FS})$, $(\pm 20\%\text{FS})$, $(\pm 100\%\text{FS})$. It is set to $\pm 4\%\text{FS}$ by default.

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

Zero-Tracking Range

Press TARE to enter Zero-Tracking Range. The shows.

Press TARE to change range.

Zero-Tracking Range can be set to: (1) (disabled), (1) ($\pm 0.5e$), $(\pm 1.0e)$, $(\pm 1.5e)$, $(\pm 2.0e)$, $(\pm 2.5e)$, $(\pm 3.5e)$, $(\pm 4.0e)$, $(\pm 4.0e)$, $(\pm 4.5e)$, $(\pm 5.0e)$. It is set to $\pm 0.5e$ by default.

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

Zero Range

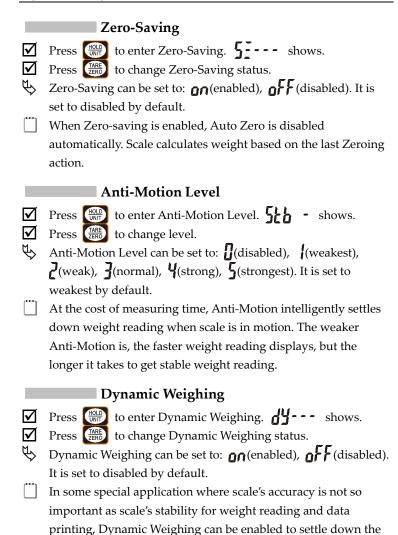
Press to enter Zero Range. shows.

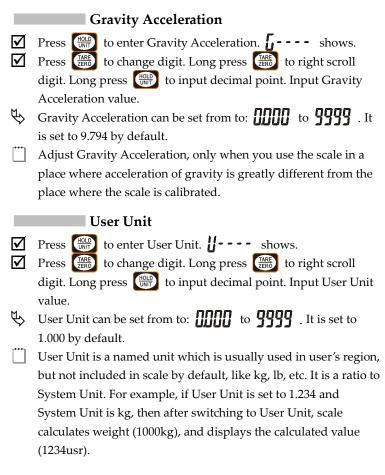
Press Range to change range.

Zero Range can be set to: (11) (disabled), (15) ($\pm 0.5e$), (15) ($\pm 1.0e$), (15) ($\pm 1.5e$). It is set to $\pm 1.5e$ 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.

weight reading faster.





2. Calibration

Press , and together, and keep pressing these 3 keys for 1s to enter Password mode.

- Press to change digit. Long press to right scroll digit. Input password **PRY IF**.
- Press to confirm password, and enter Calibration. shows.
- (i) It is NOT recommended to enter Calibration unless you are authorized from your local representative.

Calibration Unit

- Press HOLD to enter Calibration Unit. . shows.
- Press (TARE ZERO) to change Calibration Unit.
- Calibration Unit can be set to: **\(\bigcup_{\bigcup}(kg)\), \(\bigcup_{\bigcup}(lb)\). It is set to kg by default.**

| Calibration Gravity Acceleration

- Press HOLD to enter Calibration Gravity Acceleration.
- Press to change digit. Long press to right scroll digit. Long press to input decimal point. Input Calibration Gravity Acceleration value.
- Calibration Gravity Acceleration can be set from to: (1) to (1) 11 is set to 9.794 by default.

Max. Cap.

- Press to enter Max. Cap.. Illi shows.
- Press TARE to change digit. Long press to right scroll digit. Long press to input decimal point. Input Max. Cap. value.
- Max. Cap. can be set from to: 1111111 to 39393.
- (i) 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

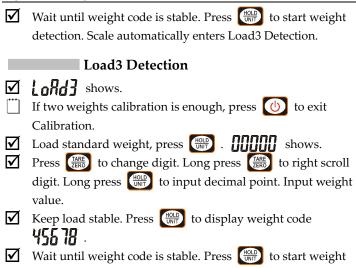
- Press to enter Zero Detection. Londi shows.
- Keep scale no load. Press to display weight code
- Wait until weight code is stable. Press to start weight detection. Scale automatically enters Load1 Detection.

Load1 Detection

- Shows.
- Load standard weight, press . . . shows.
- Press to change digit. Long press to right scroll digit. Long press to input decimal point. Input weight value.
- Keep load stable. Press to display weight code
- Wait until weight code is stable. Press to start weight detection. Scale automatically enters Load2 Detection.

Load2 Detection

- I had shows.
- If one weight calibration is enough, press to exit Calibration.
- Press (TARE) to change digit. Long press (TARE) to right scroll digit. Long press (TARE) to input decimal point. Input weight value.
- Keep load stable. Press to display weight code



detection. Scale automatically exits Calibration.