

High Resolution Digital Crane Scale

Technical Manual

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Please read this manual carefully before using.

Version: V1.0B-1

1. Scale Configuration

V	Press twice to enter Password mode. Pilli shows.
\checkmark	Short press TARE or press and to change digit.
	Press and to right scroll digit. Input password
	P0250'
\checkmark	Press to confirm password, and enter Scale Configuration.
	SERLE shows.
①	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.
	representative.
	Display Resolution
√	Press to enter Display Resolution. [shows.
$\overline{\mathbf{V}}$	Short press or press and to change
	resolution value.
₹>	
7	Display Resolution can be set to: 000 1, 0002, 0005, 00 1, 002, 005, 0, 1, 02, 05, 1, 2, 5, 0, 20, 50.
["]	Designed to meet the OIML R76's directive, the scale has the
_	best (default) performance at 2000 to 3000 division.
	cook (dollars) performance at 2 000 to 5000 trivision
	Auto-Zero Range
$\overline{\mathbf{V}}$	Press to enter Auto-Zero Range. R shows.
▼	Short press or press and to change range.
<u>~</u>	Auto-Zero Range can be set to: (disabled), (±2%FS), (±
,	3%FS), \(\(\(\pm \) \(
	It is set to ±20%FS by default.
["]	Upon boot-up, scale automatically zeros.

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	Manual-Zero Range
∀	Press to enter Manual-Zero Range. n shows. Short press or press and to change range. Manual-Zero Range can be set to: (disabled), 2(±2%FS), 3(±3%FS), 4(±4%FS), (0±10%FS), (0±20%FS), (0±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 to enter Zero-Tracking Range. shows. Short press or press and to change range. Zero-Tracking Range can be set to: (disabled), ($\frac{1}{5}$ (±0.5e), ($\frac{1}{5}$ (±1.0e), ($\frac{1}{5}$ (±2.0e), ($\frac{1}{5}$ (±2.5e), ($\frac{1}{5}$ (±3.0e), ($\frac{1}{5}$ (±3.5e), ($\frac{1}{5}$ (±4.0e), ($\frac{1}{5}$ (±4.5e), ($\frac{1}{5}$ (±5.0e). It is set to ±0.5e by default.
	Enabling Zero-Tracking will enhance scale temperature and drift performance.
	Zero Range
	Press to enter Zero Range. shows. Short press for press and to change range. Zero Range can be set to: (1) (disabled), (1) ($\pm 0.5e$), (1) ($\pm 1.0e$), (1) ($\pm 1.5e$)
	other operation becomes active. When load is removed from
	scale, left weight must be lighter than the value set.

	Zero-Saving
✓✓	Press to enter Zero-Saving. Shows. Short press or press and 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 to enter Anti-Motion Level.
	Dynamic Weighing
	Press to enter Dynamic Weighing. dy shows. Short press or press and 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

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printing, Dynamic Weighing can be enabled to settle down the weight reading faster.

Gravity Acceleration Press to enter Gravity Acceleration. • shows. Short press or press and to change digit. Press and to right scroll digit. Press to input decimal point. Input Gravity Acceleration value. 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 to enter User Unit. #---- shows. Short press or press and to change digit. Press and to right scroll digit. Press to input decimal point. Input User Unit value. User Unit can be set from to: 1111 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).

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2. Calibration

\checkmark	Press \square twice to enter Password mode. Pilli shows.			
$\overline{\checkmark}$	Short press or press and to change digit.			
	Press and to right scroll digit. Input password			
	P84 (5'			
\checkmark	Press to confirm password, and enter Calibration.			
	[R] shows.			
①	It is NOT recommended to enter Calibration unless you are			
	authorized from your local representative.			
	Calibration Unit			
M	Press to enter Calibration Unit.			
✓	Short press or press and to change			
м	Calibration Unit.			
\$	Calibration Unit can be set to: $\mathcal{V}_{\mathbf{u}}(kg)$, $\mathcal{L}_{\mathbf{b}}(lb)$. It is set to kg b			
	default.			
	Calibration Gravity Acceleration			
\checkmark	Press to enter Calibration Gravity Acceleration.			
	shows.			
\checkmark	Short press or press and to change digit.			
	Press and to right scroll digit. Press to input			
	decimal point. Input Calibration Gravity Acceleration value.			
€>	Calibration Gravity Acceleration can be set from to: to			
	. It is set to 9.794 by default.			
	Max. Cap.			
V	Press to enter Max. Cap IIIIII shows.			
<u> </u>	Short press or press and to change digit.			
ىت	and to change digit.			

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<u>v</u>	Press and to right scroll digit. Press decimal point. Input weight value.	
	Keep load stable. Press to display weight cod	
	Wait until weight code is stable. Press ut to start	t weight
	detection. Scale automatically enters Load3 Detect	ion.
	I 10 D + +!	
	Load3 Detection	
\checkmark	LoRd3 shows.	
	If two weights calibration is enough, press (b) o	or 🔘 to exit
	Calibration.	
\checkmark	Load standard weight, press sho	ws.
$\overline{\mathbf{A}}$	Short press or press and to ch	ange digit.
	Press and to right scroll digit. Press	to input
<u>V</u>	decimal point. Input weight value.	
	Keep load stable. Press to display weight cod	e 45678 .
	Wait until weight code is stable. Press to start	t weight
	detection. Scale automatically exits Calibration.	