



Quickstart Setup Guide for the EI-1000/2000 Scale Indicator

Overview

This guide is meant to cover most scale setups without going into the full details contained in the manual for the EI-1000/2000 instruments. The scale and indicator manuals contain specifics on installation and operation.

Initial Scale Inspection(any scale)

1. Check scale for damage. Shipping damage should be noted as soon as the scale is received.
2. Make sure the scale is level. If the scale is not level it will not sense weight correctly.
3. Inspect load cell cable(s) for damage. Severe bends in the cable can cause unstable readings.
4. Double check the load cell cable is attached to the correct terminals on the indicator. Reference the table in the main manual for the wiring codes each scale uses.

Indicator Setup and Calibration

The EI-1000/2000 will ship with a factory default configuration for standard scales and scale packages made by Eagle Microsystems. Generally these settings will not need to be changed. Recalibration should occasionally be performed to account for changes in load cell performance that occur naturally over time or from incidents of shock loading. Reference the abbreviated parameter list on the next page for **Auto-Zero** instructions on day tank or filling operations.

Operation Type	EI-1000	EI-2000
Enter programming menu (press and hold for 3 seconds)	+	Left + Right
Enter sub menu (cal, cfg, diag, Aout)	Then	Right Right
Change displayed sub menu parameter	Then	Left
Change parameter	or	Right
Exit/Step out of sub menu or programming menu		Left

Calibration

1. Enter programming menu → enter calibration(cal) sub menu. The gross LED(s) will flash.
2. With no weight on the scale press **ZERO**.
3. Put a known weight on the scale and use the **UP** or **DOWN** arrow to adjust the displayed weight to the appropriate gross weight value. Remember to include the weight of the tank/cylinder.
The EI-2000 uses the left side buttons for channel 1 and right side buttons for channel 2.
4. Exit/step out of the calibration menu.

Configuration

1. Enter programming menu → enter configuration(cfg) sub menu.
2. Parameters are listed in numerical order, the EI-1000 alternates displaying the parameter number and its value, the EI-2000 displays the parameter on the left display and its value on the right display.

Quick parameter reference

- P001: Operating mode. 1>manual, 2=adjustable remaining, 3=automatic(**default**), 4=adjustable tare, 5=adjustable remaining, 6=gross only
- P100,200 etc: Scale selection. 1 and up=factory default for a particular scale model, user=full scale configuration(P110-117) by user, cy-1=copy channel 1 configuration. P200 should be **OFF** on EI-1000 indicators.
- P113,213 etc: Auto Zero. Set to **OFF** for day tank or filling operation. Slow filling can potentially be zeroed out automatically otherwise.
- P600: 4-20 output type. rE=remaining, Gr=gross, Gt=gross total from all channels, nt=remaining total from all channels
- P610,620 etc: Full scale for channel 1,2 etc. The number displayed is the value for the full scale (20 mA output).