

LY71 Change of display resolution (polarity)

The operation method for changing the display resolution differs depending on the purpose and conditions of the change. Select the purpose and conditions to be changed from the table below and perform the operation.

Purpose of change	Operation	Explanation
Change the polarity for the input axis using the 2-axes addition / subtraction function in the input axis selection	Basic settings ⇒ Input axis ⇒ Change	Change the input axis choices in the basic settings
Change the measurement unit resolution	Basic settings ⇒ Measurement unit resolution ⇒ Change	Change the length measurement unit resolution in the basic settings. And check the display resolution in the detailed settings.
Change the display resolution	Advanced Settings ⇒ Display resolution ⇒ Change	Change the display resolution in the detailed settings
Change the display polarity (Counting direction is reversed)	Advanced Settings ⇒ Display resolution ⇒ Change polarity	Change the display resolution in the detailed settings

* If you do not know the output resolution of the measurement unit, refer to the separate "Initial setup manual".

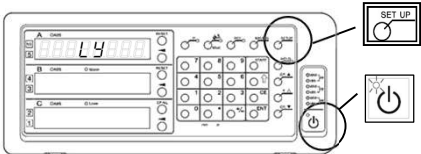
Combination with optional unit and settings items

Initial setup	Item	No option			BCD unit (LZ71-B)			BCD unit (LZ71-B) Comparator unit (LZ71-KR)	Comparator unit (LZ71-KR)	
		1-axis input	2-axes input	2-axes input	1-axis input	2-axes input	2-axes input	1-axis input	1-axis input	2-axes input
Basic settings	Addition / subtraction function	Not used	Not used	use	Not used	Not used	use	Not used	Not used	use
Advanced Settings	Display resolution	A axis	A axis B axis	A axis	A axis	A axis B axis	A axis	A axis	A axis	A axis

Basic settings ⇒ Input axis ⇒ Change

- ①
- Set to basic settings mode.
- Turn  key "ON" while the AC adapter is energized.
- Press and hold  key for 3 seconds after the lamp changes from blinking to off.

LY71



- ②
- With the display  , press  key once
- The display will be  . (Selection of input axis)
- Press  key to select a condition.
- When you have made your selection, press  key to save your settings.
- To finish the basic settings, follow steps ② and ③ below.



- ③
- Switch from basic settings to normal count mode.
- Press  key once and the display will change to  .
- Press  key once and the display will change to  .



Input axis selection

(addition / subtraction function)

1

1 2

1Add 2

1Add-2

-1Add 2

-1Add-2

Input 1

Input 1, input 2 (independent)

Input 1 +Input 2

Input 1 – Input 2

-Input 1 +input 2

-(Input 1 + Input 2)

NOTE: When using comperate unit, 2-axis independent display is not possible.

- ④
- Press  key once to automatically switch to advanced settings mode.
- The display will be  .
- Press  key, the display becomes the normal display.

Basic settings ⇒ Measurement unit resolution ⇒ Change

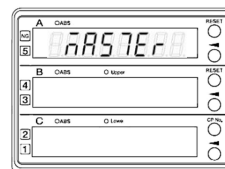
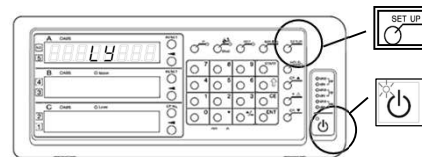
①

Set to basic settings mode.

Turn  key "ON" while the AC adapter is energized.

Press and hold  key for 3 seconds after the lamp changes from blinking to off.

LY71



②

Press  key once while the display is .

The display will be  (measurement unit resolution).

③

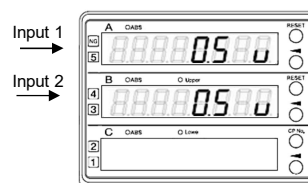
Press  key to check the current measurement unit resolution.

④

Press  key of the axis you want to change and select the measurement unit resolution.

When you have made your selection, press  key to save your settings.

Display example when inputting 2 axes



Selection of measurement unit resolution

Standard	Expansion
	
	
	
	
	
	
	
	
	

 Extended key

⑤

Switch from basic settings to normal count mode.

Press  key once and the display will change to .

Press  key once and the display will change to .

⑥

Press  key once to automatically switch to advanced settings mode.

The display will be .

Press  key, the display becomes the normal display.

Advanced Settings ⇒ Display resolution ⇒ Change

①

Set to advanced settings mode.

Press  key in normal count mode

The display will be .

Press  key once to display .

②

Press  key once to display the display resolution of each axis.

Press  key of the axis you want to change and select the resolution.

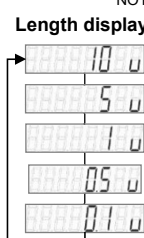
When you have made your selection, press  key to save your settings.

Press  key to return to the normal counting state.

Selection of display resolution

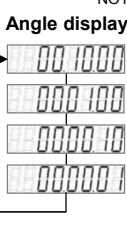
NOTE 1

Length display



NOTE 2

Angle display



Expansion



←  Extended key

NOTE 1: Selection of a value smaller than the basic settings measurement unit resolution is not displayed.

NOTE 2: The angle display can be set when the angle resolution is selected in the basic settings.

Advanced Settings ⇒ Display resolution ⇒ Change polarity

①

Set to advanced settings mode.

Press  key in normal count mode

The display will be .

Press  key once to display .

②

Press  key once to get the display resolution of each axis.

Press  key for the axis for which you want to change the polarity,

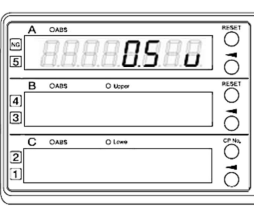
and then press  key.

When you have made your selection, press  key to save your settings.

Press  key to return to the normal counting state.

Example of changing the polarity of the display in the middle row

Before



Change polarity



After

