

LH71A 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 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 polarity for each input axis while using the addition function	Basic settings ⇒ Addition display ⇒ Change	Change the selection of addition display in the basic settings
Change the display resolution	Detailed settings ⇒ Display resolution ⇒ Change	Change the display resolution in the detailed settings
Change the display polarity (Counting direction is reversed)	Detailed settings ⇒ Display resolution ⇒ Change polarity	Change the display resolution in the detailed settings
Diameter display (double count value)	Detailed settings ⇒ Display resolution ⇒ Diameter display	Change to diameter display with 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".

Basic settings ⇒ Measurement unit resolution ⇒ Change

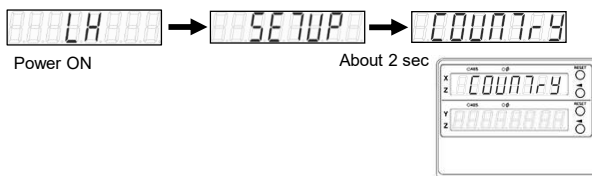
①

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.


For LH71A-1, LH71A-2




②


Press  key once while the display is **COUNT**.

The display will be **516 RES** (measurement unit resolution).

Press  key to check the current measurement unit resolution.


③


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.


④

Switch from basic settings to normal count mode.


Press  key once and the display will change to **CANCEL**.

Press  key once and the display will change to **FINISH**.

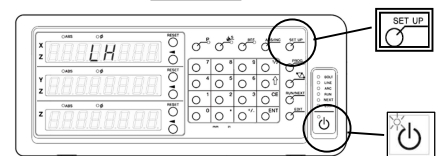
⑤

Press  key once to automatically switch to advanced settings mode.

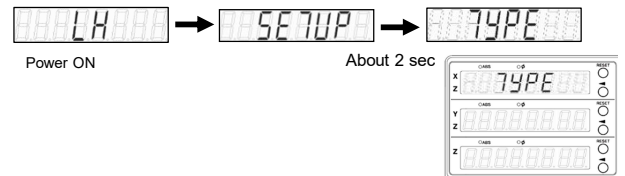
The display will be **516 RES**.

Press  key, the display becomes the normal display.


LH71A-3




For LH71A-3



②

Press  key two or three times while the display is **TYPE**.

The display will be **516 RES** (measurement unit resolution).

Press  key to check the current length measurement unit resolution.

Display of measurement unit resolution (LH71A-3)



Selection of measurement unit resolution

Standard	Expansion
0.5 u	0.05 u
0.1 u	2 u
0.01000	20 u
0.00100	25 u
0.00010	50 u
0.00001	100 u
10 u	0.10000
5 u	
1 u	


 Extended key


Basic settings ⇒ Addition display ⇒ Change

(LH71A-3 only)

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.

The display will be  .




About 2 sec




②

With the display , press  key once.

The display will be  (2-axes addition / subtraction function).

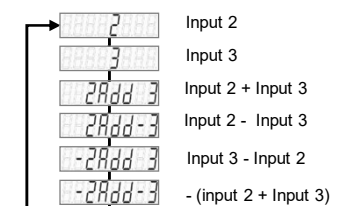
* If the display does not change to "Add", "LATHE" is not selected in "TYPE".

Press  key to select the addition display.


Selection of additive display (LH71A-3)




Addition display (input conditions to be displayed on the Z axis)





③



Press  key to select the conditions for the addition display.

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



④


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  .

⑤


If you press  key once, it will automatically enter the advanced settings mode and  display.

Press  key to enter normal count mode.

Detailed settings ⇒ Display resolution ⇒ Change


①


Set to the detailed settings mode.


Press  key while the normal count mode is energized.


The display will be  . (Detailed settings mode)


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.

Please note that the  lamp lights up once every two times and the diameter display is set.

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

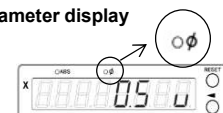
Expansion

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.


Diameter display



Detailed settings ⇒ Display resolution ⇒ Change polarity


①



Set to detailed settings mode.


Press  key in normal count mode


The display will be .

②

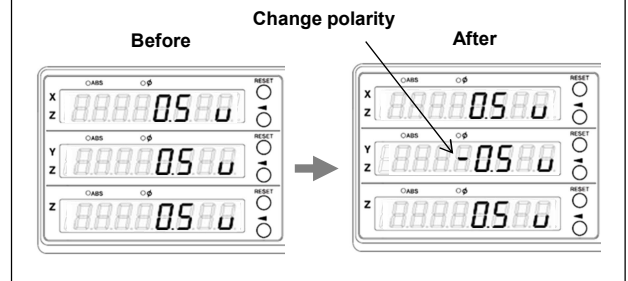
Press  key once to get the display resolution of each axis.

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



Detailed settings ⇒ Display resolution ⇒ Diameter display


①



Set to detailed settings mode.


Press  key in normal count mode


The display will be .


②

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

Press  key of the axis you want to change to the diameter display and turn on the  lamp.

If the resolution changes, press  key again.

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

Press  key to return to the normal counting state.

