LH71 Change of display resolution (polarity)

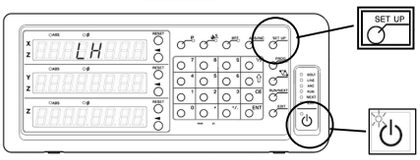
The operation method for changing the display resolution differs depending on the purpose and conditions of the change.
Select the purpose and conditions to be changed from the table below and perform the operation.

Purpose of change	Operation	Explanation
Change the measurement unit resolution	Basic setting ⇒ 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 setting ⇒ Measurement unit resolution ⇒ Change

LH71-3



①

Set to basic setting 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 LH71-1, LH71-2

LH → SETUP → COUNTRY

Power ON — About 2 sec

②

Press key once while the display is COUNTRY .

The display will be SIG rES (measurement unit resolution).

Press key to check the current measurement unit resolution.

For LH71-3

LH → SETUP → TYPE

About 2 sec

②

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

The display will be SIG rES (measurement unit resolution).

Press key to check the current length 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 ENT key to save your settings.

Display of measurement unit resolution (LH71-3)

Selection of measurement unit resolution

Standard	Expansion
0.5 u	0.05 u
0.1 u	2 u
00.1000	20 u
000.100	25 u
0000.10	50 u
00000.1	100 u
10 u	0.10000
5 u	
1 u	

EDIT
Extended key

④

Switch from basic settings to normal count mode.

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

Press key once and the display will change to FINISH .

⑤

Press ENT key once to automatically switch to advanced settings mode.

The display will be dSP rES .

Press RESET key, the display becomes the normal display.

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Automation and Metrology International, LLC
8808 Tyler Blvd, Mentor, OH 44060
1-888-354-2525 | sales@auto-met.com
Request a quote: auto-met.com

Basic settings ⇒ Addition display ⇒ Change (LH71-3 only)

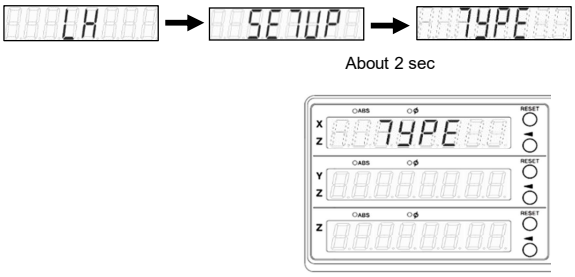
①

Set to basic setting 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 .



②

With the display , press key once.

The display will be (additional display).

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

Press key to select the addition display.

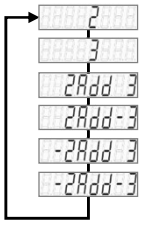
③

Press key to select the conditions for the addition display.

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

Selection of additive display (LH71-3)

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



2	Input 2
3	Input 3
2Add 3	Input 2 + Input 3
2Add-3	Input 2 - Input 3
-2Add 3	Input 3 - Input 2
-2Add-3	- (input 2 + Input 3)

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 setting 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 setting mode)

②

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

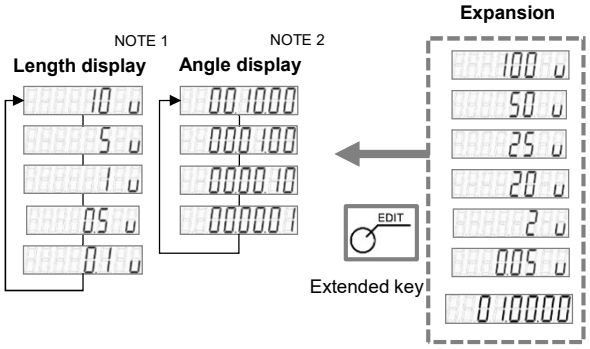
Press key of the axis you want to change and select the resolution.

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.

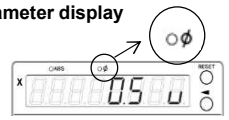
Selection of display resolution



NOTE 1: Selection of a value smaller than the basic setting 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 advanced mode.

Press [SET UP] key in normal count mode

The display will be dSP rES .

②

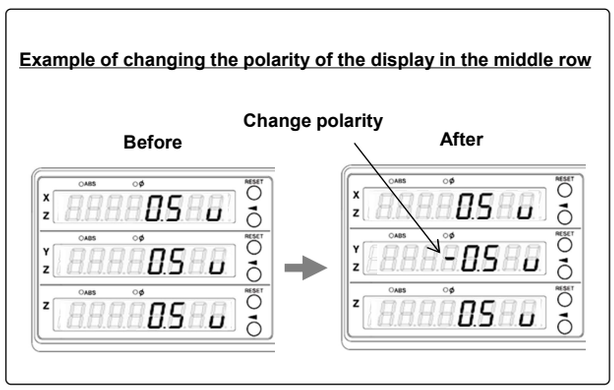
Press [◄] key once to get the display resolution of each axis.

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

and then press [+/-] key.

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

Press [RESET] key to return to the normal counting state.



Detailed settings ⇒ Display resolution ⇒ Diameter display

①

Set to advanced mode.

Press [SET UP] key in normal count mode

The display will be dSP rES .

②

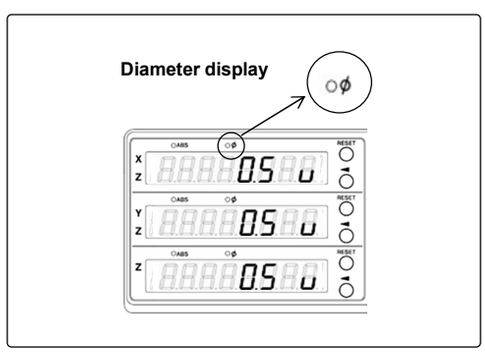
Press [◄] key once to get the display resolution of each axis.

Press [◄] key of the axis you want to change to the diameter display and turn on the ○ϕ lamp.

If the resolution changes, press [◄] key again.

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

Press [RESET] key to return to the normal counting state.



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