



Check the conditions of use

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STEP 1~3

STEP 4~5

By confirming the conditions of use in advance, the settings operation can be performed easily. Let's start with the basic settings.

Basic Settings Items

Items	Indication default	Description	Settings		
Destination country		Please select the region to be used. (Displayable units)	STD: General Area mm, inch		
	57 d		US: U.S.A. mm, inch		
			JPN: Japan mm		
Measuring unit resolution		Set the resolution output from the measurement unit to be used for each axis.	0.1µm to 100µm		
516 r ES	<u>aaaa85a8</u>	The resolutions that can be selected are length. Expanded selections increase the number of options.	*See Tables 1, 2 and 3		

Table1: Length scale output resolution

Measuring Unit	Output resolution	connection cable	Adapter *	
SR-1711 SR-1711R	0.5µm	HK-**C HK-**CR	SZ05-T01	
SR801/ MSS-101 SR801R	0.5µm	HK-1**C HK-2**C	SZ05-T01	
SR801/ MSS-101 SR801R	0.5µm	CE07-**C	SZ51-MS01 + SZ70-1	
SR10 / SR30 / SR50 SR50-R	0.5µm	HK-4**C HK6-**CR	SZ05-T01	
SR118	0.5µm	CE05-**C CH02-**	DZ51 + SZ70-1	
SR108 SR107	0.5µm		SZ51-MS01 + SZ70-1	
SR128	0.5µm	CH01-**C	SZ70-1	
SR128 / SR127	0.5µm	CH01-LW**C	SZ51-MS01 + SZ70-1	
SR138R(GB-ER)	0.5µm	CH04-03C		

Table 2: Digiruler output resolution

Measuring Unit	Output resolution	Adapter/ conversion cable	Adapter *
SL110 SL130	10µm	PL20B	SZ70-1
SL110 SL130	10µm	PL20C	
SJ300	1µm	CH33-**CPD/CED	
SJ700	5µm		SZ70-1
SJ700A	5µm		

Table3: Digital gage output resolution

Measuring Unit	Output resolution	Adapter/ conversion cable	Adapter *
DG	0.5µm		SZ05-T01
DG-B	0.5µm	DZ-51	SZ70-1
DL310B/330B	10µm	DZ-51	SZ70-1
DK series	0.1µm or 0.5µm	CE29-**	

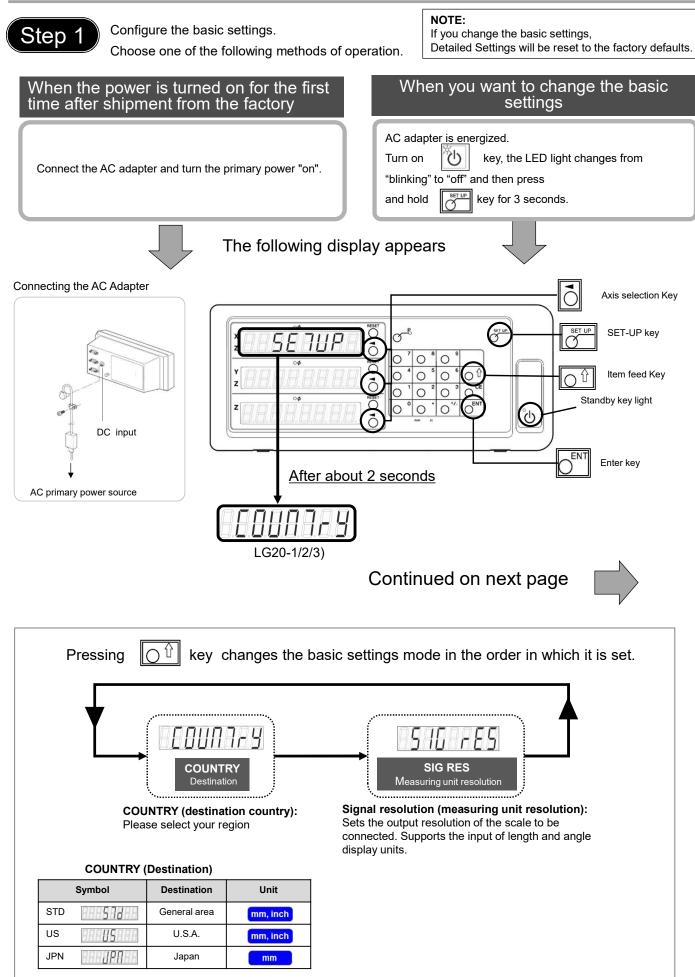
* For adapter information, refer to Appendix 2 Adapter Connection in this Manual

Check the usage conditions for Detailed Settings.

(Since the settings conditions can be changed later, use the default values to skip items for which the conditions have not been confirmed)

Detailed Settin	gs Items		
Items	Indication default	Description	Settings
Display resolution and polarity	05-0	Sets the resolution to be displayed for each axis. A value lower than the input resolution cannot be set. Selects the value for each axis, including the polarity (+/-). The default value is set by the basic settings.	Length: 0.1 to 100µm
Display switching	Upper axis Middle axis Lower axis	Each display axis can be selected for the length measurement unit input axis.	Input axis: IN-1: 1st input axis IN-2: 2nd input axis IN-3: 3rd input axis IN: No display
Axis label	Upper:X Middle:Y	Display axis label selection NOTE: Can be used with LG20-1 and LG20-2.	Upper axis: "X" or "Z" Middle axis: "Y" or "Z"
Compensation value	Err OFF	Settings of linear compensation and segmented error compensation	Err OFF : off Lin Err : linear compensation ±600µm/m
Flicker control		Flickering of the smallest displayed digit can be suppressed. Set the level of flicker suppression.	OFF: Function stop 1: Weak 2: Strong
Sleep	on of DFF of the second seco	The display turns off when there is no movement of the length measurement unit or key operation for a certain period of time while the power is on. It will return when the length measurement unit is moved or the Key operation is performed again.	OFF: Do not put to sleep 1: 1 minute later 5: 5 minutes later 10:10 minutes later 30:30 minutes later 60: 60 minutes later

How to set up Basic Settings (1/3)



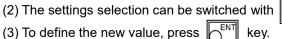
How to set up Basic Settings (2/3)

Step 2

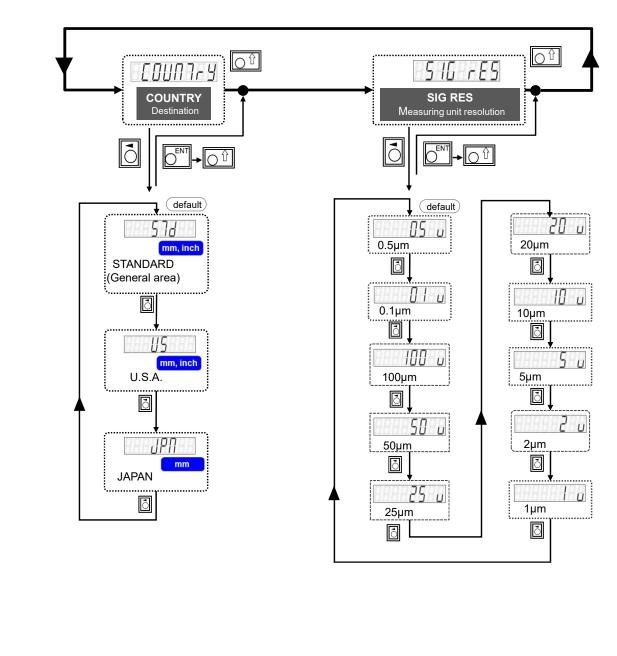
Enter the settings confirmed in "Preparations before making initial settings (1/2)". Repeat steps (1), (2), and (3) to make the basic settings.

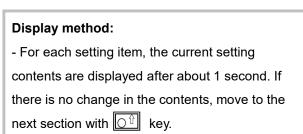
 $\overline{\bigcirc}$

(1) Use $\bigcirc^{\textcircled{1}}$ key to change the basic settings item.



key on the right side of the counter display.



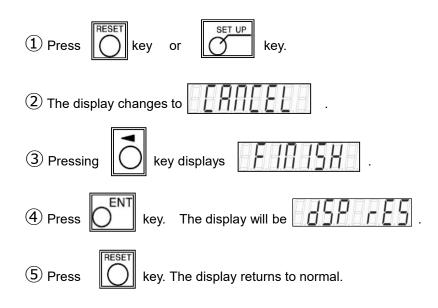


How to set up Basic Settings (3/3)

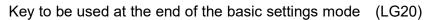
Step 3

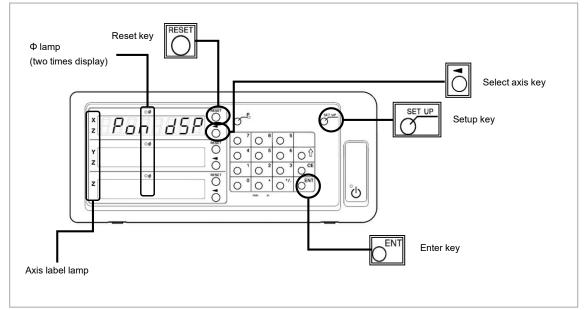
Once you have completed the basic settings, exit this mode and move to Detailed Settings mode.

How to Exit Basic Settings Mode

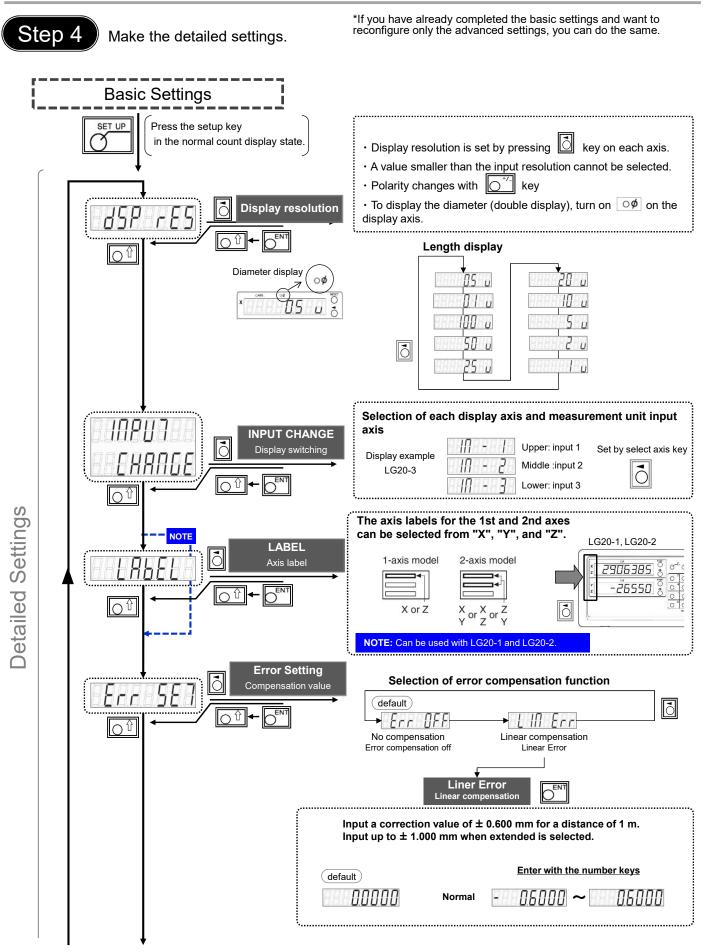


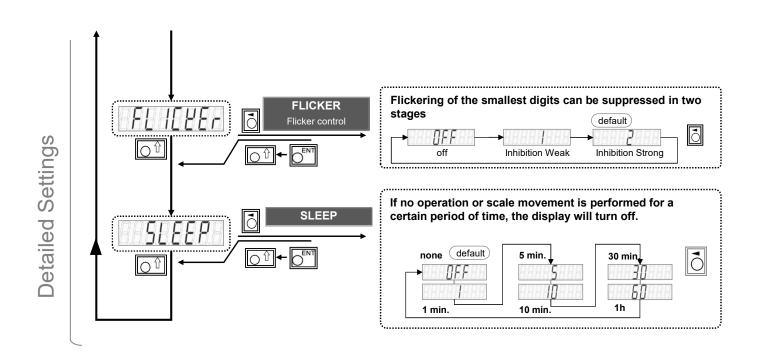
This completes the basic settings.





How to set up Detailed Settings (1/1) (continued from Basic Settings)







When the Detailed Settings are complete, switch to the normal display.
Press Reserve key.

This completes the initial settings..

Factory Default (All Clear)

To set the factory settings (all clear), perform the following operations. Make preparation such as taking NOTEs in advance for necessary items. Also, do not perform any operation other than the explanation.

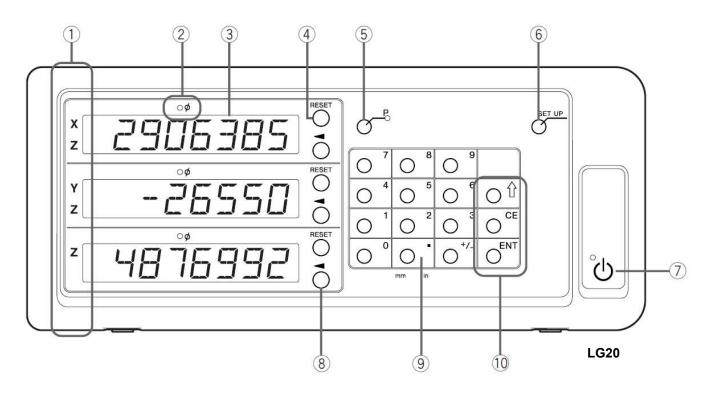
CAUTION: IF YOU DO THIS, ALL SETTINGS WILL BE THE FACTORY DEFAULE SETTINGS.

Mainly used keys	Blindfold key	Connecting the AC Adapter				
$\begin{array}{c c} & & & \\ &$	Setup key	DC input				
	Blindfold key (b)	AC primary power source				
1. Hold down the Blindfold key ⓐ and Connect the AC adapter to the DC-IN input on the back of the counter and turn on the primary power supply.						
\Rightarrow The model name of the counter is disp	played					
2. When you press the Blindfold key (a) , followed by	<u>SLF 151</u> is displayed,					
3. Pressing the Blindfold key (a) changes	the display as shown below.					
	\rightarrow n	757				
→ 57r OĽ → RLL	$ \rightarrow \rightarrow \rightarrow \rightarrow$	completion				

4. Turn off the primary power supply of the AC adapter.

Appendix 1

Front panel



No.	Name	No.	Name
1	Axis label	\bigcirc	Standby key
2	Φ lamp	8	Axis select key
3	Counter display	9	Numeric key
(4)	RESET key	10	Function key
5	P key		
6	SETUP key		

Alarm indication

Display	Status	Display	Status
	Measurement unit not connected	(Blinking)	Storage data error
	Speed over (NOTE)		
	Overflow		
8.8.8.8.8.8.8.8.	Power failure		

NOTE: When using an adapter connection (SZ**), no speed override indication is shown, but rather an error message.



Appendix 2-1 Adapter connection (Length scale)

Scale/ Head	Re	solution	Adapte	er	Counter										
SR128(GB-A)		0.5µm	SZ70-	1	LG20										
PL20B		10µm							0µm		LH70/71/71A/72 LY71/72		/2		
SJ700		5µm				11/12									
							Co	unter unit							
Use s	crews to sec	ure it in plac Screw		P	Cable	e (300mm)		Screws							
Scale/ Head	Resolutio	on Ada	apter 1	Ada	apter 2	Co	ounter								
SR108(GB)	0.5µm	SZ5	1-MS01	SZ	270-1		.G20								
PL20A	10µm	SZ5	1-DR01				71/71A/72								
						LY le (300mn	71/72	Counte	er unit						
	S	Screw		AS01/S	SZ51-DR0	SZ70		Screws connector	cure it in place.						
	cale		Resolu	tion	Ada	ntor	Counte	ar (
SR-1711(GP)、		(GS)、	0.5µr		SZ05	-	LG20								
SR50A(GF,GF-F							LH70/71/7 LY71/7	1A/72	\sim						
* HA13A, 15A, 23A a		ed as head a	mps					Screws							
	Screws	Head-amp	SZ05-T01	A A A	0			Connector	AND						
			Use scre	ews to	secure it	in place.									

Use screws to secure it in place.

Appendix 2-2 Adapter connection (Digital gauge)

