E3X-SD□

1. Display

In addition to an operation indicator (orange), Sensor also has a 7-segment display that shows the excess gain.
Use this display to adjust the optical axis and sensitivity during installation.

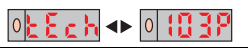
Status of indicators (in L-ON mode)	Excess gain	Description
	999% (10 times)	Stable incident light of 110% min.
	100%	Unstable incident light of 90% to 100% or unstable light interruption
	0%	Stable light interruption at 90% or less

2. Sensitivity setting

The sensitivity can be set using the UP and DOWN Keys like an adjuster. It is also possible to easily set the sensitivity with the following three types of teaching.

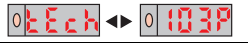
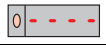
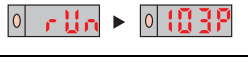
2-1. Maximum Sensitivity Setting

The sensitivity can be set to the maximum. This setting is best for strong resistance against the effects of dust.

Setting procedure	Switch or key	Display
Set the TEACH/RUN mode selector to TEACH.		
Press the UP Key for 3 s min.		
Set the TEACH/RUN mode selector to RUN (start of measurement).		

2-2. Teaching with/without Workpiece

Two points, with and without the workpiece, are detected, and the intermediate point is set as the operation level.

Setting procedure	Switch or key	Display
Set the TEACH/RUN mode selector to TEACH.		
With a workpiece, press the UP Key.		
With no workpiece, press the UP Key.		
Set the TEACH/RUN mode selector to RUN (start of measurement).		

2-3. Automatic Teaching

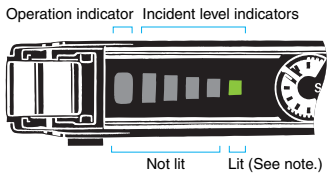
The operating level can be set to the intermediate point between the maximum and minimum of the change detected over time. This setting is best when the workpiece cannot be stopped.

Setting procedure	Switch or key	Display
Set the TEACH/RUN mode selector to TEACH.		
Press the UP Key.		
Press the UP Key during detection. Allow the workpiece to pass by while the UP Key is pressed.		
Set the TEACH/RUN mode selector to RUN (start of measurement).		

E3X-NA

Indicators

In addition to an operation indicator (orange), the E3X-NA also has incident level indicators (4 green and 1 red).
Use these indicators for optical axis adjustments and maintenance.

Status of indicators (in L-ON mode)	Operation indicator (in L-ON mode)	Incident level
	Not lit	Approx. 80% max. of operating level
	Not lit	Approx. 80% to 90% of operating level
	Not lit or lit	Approx. 90% to 110% of operating level
	Lit	Approx. 110% to 120% of operating level
	Lit	Approx. 120% min. of operating level

Note: The rightmost indicator will be lit even if the incident level is 0.