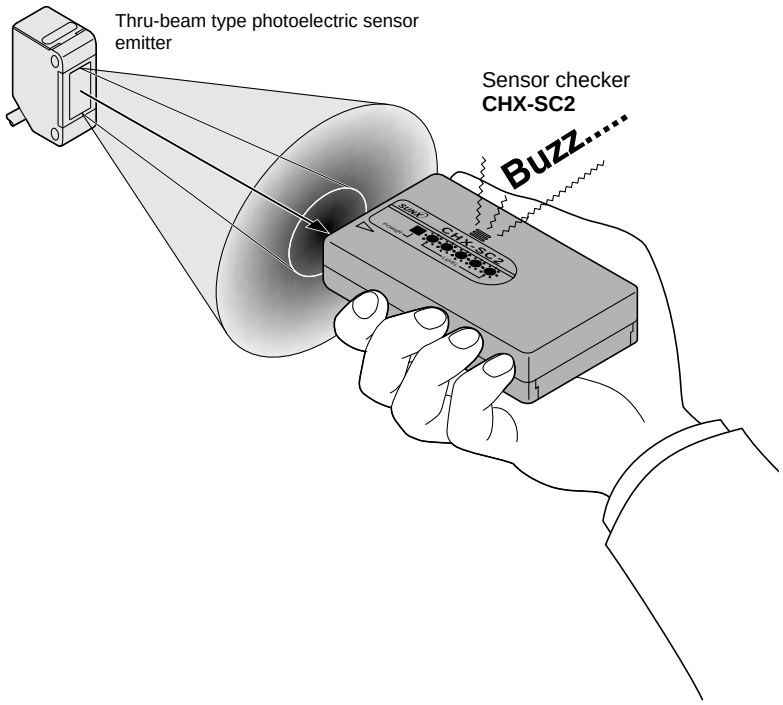
CHX-SC2

Sensor Checker

Extremely useful for beam alignment of thru-beam type photoelectric sensors

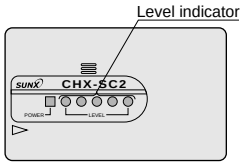
Convenient for beam alignment

Since the optical axis of a thru-beam type photoelectric sensor can be checked, beam alignment is easy.



Light and sound indicate optimum position

When the emitter of the thru-beam type photoelectric sensor and **CHX-SC2** face each other along a straight line and their optical axes match, the number of LEDs which light up in the level indicator, as well as, the sound tone increases.
Since the sound tone can also be heard with an earphone, the sensor checker can be used in a noisy place.



Suitable for all sensors

This product can be used with infrared, as well as, red beam type of thru-beam type photoelectric sensors.

Compact and light weight

Since the sensor checker has a compact size (W100×H60×D23 mm W3.937×H2.362×D0.906 in), it can be conveniently carried to the place of use.
(Power supply: 9 V dry cell)

ORDER GUIDE

Appearance	Model No.
	**CHX-SC2**

SPECIFICATIONS

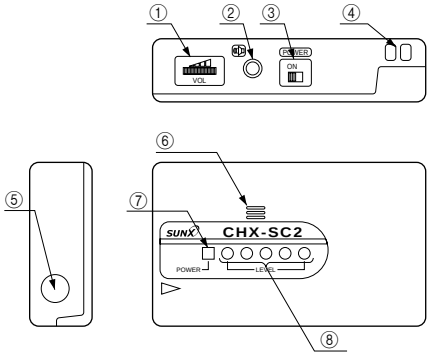
Item \ Model No.	**CHX-SC2**
Applicable sensor	Infrared beam type or red beam type of thru-beam type photoelectric sensor
Supply voltage	9 V (006P dry cell)
Power indicator	Red LED (lights up when the power is ON)
Light intensity monitor	Red LED × 5 (light up, successively, according to the incident light intensity) Audio confirmation with an earphone (frequency increases with light intensity)
Sensitivity adjuster	Variable adjuster
Ambient temperature	0 to + 40 °C + 32 to + 104 °F, Storage: 0 to + 40 °C + 32 to + 104 °F
Ambient humidity	35 to 85 % RH, Storage: 35 to 85 % RH
Material	Enclosure base: ABS, Top cover: ABS
Weight	95 g approx.

CHX-SC2

PRECAUTIONS FOR PROPER USE

This product does not possess control functions needed for accident prevention or safety maintenance.

Functional description



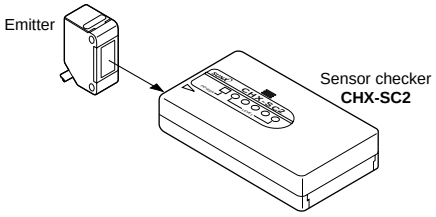
	Description	Function
①	Sensitivity adjuster	It adjusts the optical sensitivity of **CHX-SC2**.
②	Earphone jack	Earphones can be connected. (Please separately arrange for earphones having 8 Ω input impedance and ϕ3.5 mm ϕ0.138 in plug.)
③	Power supply switch	———
④	Holes for strap	They are used for fitting a strap. Please arrange the strap separately.
⑤	Receiver section	It receives light from the photoelectric sensor.
⑥	Buzzer	The sound tone varies with the incident light intensity. Incident light intensity: Low ⟷ High Sound tone: Low ⟷ High
⑦	Power indicator (Red LED)	Lights up when the power is ON.
⑧	Level indicator (Red LED × 5)	The LEDs light up, successively, according to the incident light intensity from the photoelectric sensor.

Method of use

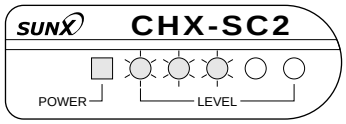
① Set the power supply switch ON. At this time, the buzzer may sound even if light is not incident. However, if the sensitivity adjuster has been set to min., the buzzer will not sound.

② Set the sensitivity adjuster to max.

③ Make the emitter and **CHX-SC2** face each other along a straight line.



④ When light from the emitter is incident, the level indicator LEDs light up and the sound tone increase. The buzzer starts sounding when 3 or 4 LEDs of the level indicator light up.



⑤ By turning the sensitivity adjuster, adjust the sensitivity such that about 3 LEDs of the level indicator light up.

⑥ Move **CHX-SC2** up, down, right and left to determine the optimum position where the maximum No. of LEDs of the level indicator light up and the buzzer sound tone is the highest.
At this time, if the sensitivity has been set too high, although a part of the level indicator may light up even in the beam interrupted condition, it does not indicate any abnormality.

⑦ If the sensor checker is being used in a noisy environment and it is difficult to hear the buzzer, use by connecting earphones. In this case, the buzzer does not sound.

Others

- This product is suitable for use with infrared beam and red beam type of thru-beam type photoelectric sensors.
- Use 6F22 (S-006P) type 9 V dry cell (1 pc.) for the power supply. Since the 9 V dry cell is not supplied as accessory, please arrange it separately.
- Make sure that the power supply switch of **CHX-SC2** is OFF when the dry cell is installed or replaced.
- Switch off the power supply when not using the sensor checker. Further, if the sensor checker is not used for a long time, remove the dry cell from the sensor checker and keep it separately.
- Take care that the sensor is not directly exposed to fluorescent light from a rapid-starter lamp or a high frequency lighting device, as it may affect the beam alignment.

DIMENSIONS (Unit: mm in)