

PS310 Series

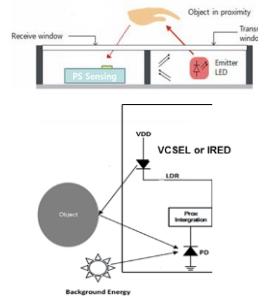
Sense and Actuate the future

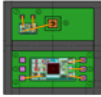
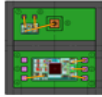
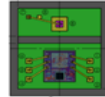
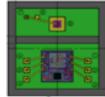




Digital Proximity Sensor Series

The SNA's proximity sensor series allow a large dynamic range of operation for use in short distance detection behind dark glass such as in a cell phone or for longer distance measurements for applications such as presence detection for monitors or laptops. The programmable proximity detection enables continuous measurements across the entire range. In addition, an internal state machine provides the ability to put the device into a low power mode measurements providing very low average power consumption.

Applications

- Contactless Switches
- Sanitary Automation
- Cell Phone Touch Screen Disable
- Automatic Speakerphone Enable
- Automatic Menu Popup



	PS310L	PS310V	PS310DL	PS310DV
Light source	LED (850nm)	VCSEL (850nm)	LED (850nm)	VCSEL (850nm)
Features	High / Low output	High / Low output	16bit digital output	16bit digital output
	3.3 ~ 5V	3.3 ~ 5V	3.3V	3.3V
	Modulation	Modulation	I2C interface	I2C interface
Detection distance	~ 10cm	~ 25cm	~ 10cm	~ 80cm
Composition	Sensor IC + Dr. IC + LED	Sensor IC + Dr. IC + VCSEL	Sensor IC + LED	Sensor IC + VCSEL
Product Dimension				
Package Size [mm3]	2.5 X 2.7 X 0.9	2.5 X 2.7 X 0.9	2.5 X 2.7 X 0.9	2.5 X 2.7 X 0.9
Evaluation Board				
Board Size[mm2]	25 x 17	25 x 17	25 x 17	25 x 17

(Note 1) Using reflective object : White paper

(Made by Kodak Co., Ltd. gray cards R-27 · white face, reflective ratio ; 90%)