

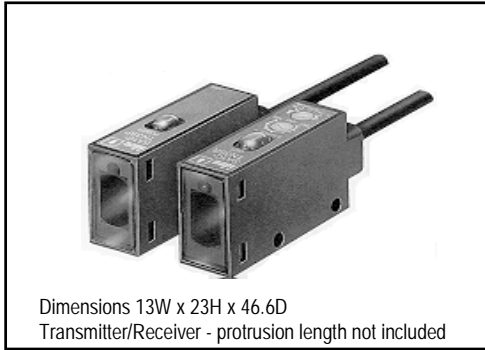
# Water Sensor (High-power Type)



## SA1W-MK1229

### IDECC IZUMI CORPORATION

## Powerful Sensing even through Opaque Containers

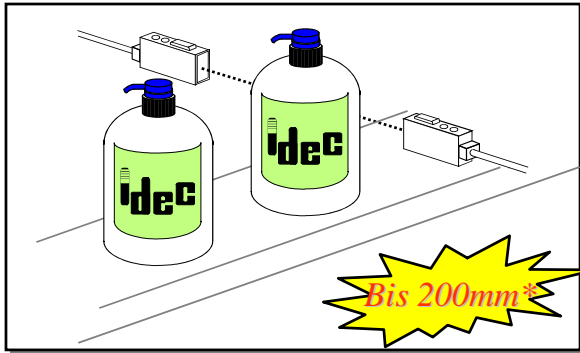


- Stable sensing of transparent liquids, by projecting light of the same wavelength as absorbable by water molecules.
- Powerful laser beam sensing even through opaque or labeled bottles.
- Detecting liquids of various kinds containing water.
- High power, but using "Class 1" Laser.

\* the sensing performance may vary on a type of container and a label attached.

## Application Examples

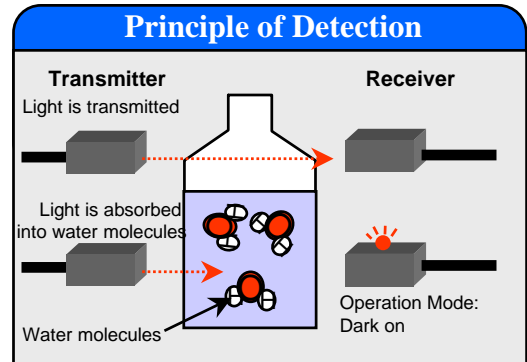
Checking the liquid level in whitish, opaque plastic bottles.



The SA1W-MK1229 detects the liquid level in opaque containers (ex. Pump-type container) with or without a label.

\* the sensing performance may vary depending on a type of container and a label attached.

## High Power



Unlike conventional photoelectric sensors, the SA1W-MK1174 can detect the presence of "transparent liquids," projecting light of wavelength coinciding with water molecule oscillations. The through-beam detection of the sensor ensures flexible sensing of the liquid level or presence/absence of liquids in various kinds with any water content.

## Specifications

Type No.	SA1W-MK1229
Detectable Object	Water or water content
Detection Method	Through-beam Type
Supply Voltage	12-24V DC
Sensing Range	200mm when used for opaque plastic bottles.
Control Output	NPN + PNP
Operation Mode	Dark ON or Light ON (selectable by operation mode selector)
Transmitter Element	Infrared LD Class 1 Laser
Receiver Element	Photo diode
Response Time	10 ms

## Dimensions

