

# 液体色判別センサ

# **Liquid Color Discrimination Sensor**

# 液体色判別センサ / MSG2A48 Liquid Color Discrimination Sensor / MSG2A48

# 製品概要 Product outline

液体色判別センサは、3色LEDと1つの受光素子で 構成される透過型センサです。

The liquid color discrimination sensor consists of a three-color LED and one photodetector. It is a transmissive sensor that is configured.

液体を透過した光から色や濃度を判別します。
 The color and density are determined from the light that has passed through the liquid.



## 用途 Applications

#### 水質判別

Water quality discrimination

#### 血液・体液の簡易色判別

Simple color discrimination of blood and body fluids

#### ライン検査での色判別

Color discrimination by line inspection

## 特長 Features

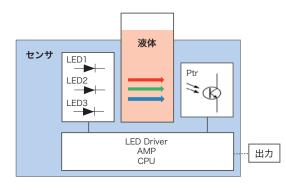
- インターフェース: UART Interface: UART
- IF調整で各LEDの光量を変更可能 The amount of light of each LED can be changed by adjusting the IF
- LED3色の透過光を個別に読み取り
  Reads the transmitted light of a three-color LED individually
- 光源波長やセンサ形状等、用途に合わせて仕様をカスタマイズ可能
  Specifications can be customized according to the application, such as the wavelength of the light source and the shape of the sensor

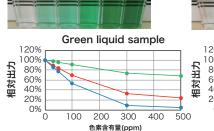
# 使用方法 How to use

液体を透過した光をLED3色の出力毎にフォトトランジスタで読み取り、キャリブレーション時に 設定した基準値に対する比率として出力します。

The light transmitted through the liquid is read by the phototransistor for each output of the three-clolor LED and output as a ratio to the reference value set at the time of calibration.

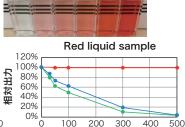
**→** R





**→** G

0 30 50 100 300 500



色素含有量(ppm)

**→** G

0 30 50 100 300 500





