

# 液体色判別センサ

## Liquid Color Discrimination Sensor

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#### 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
- LED3色の透過光を個別に読み取り  
Reads the transmitted light of a three-color LED individually
- 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
- 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-color LED and output as a ratio to the reference value set at the time of calibration.

