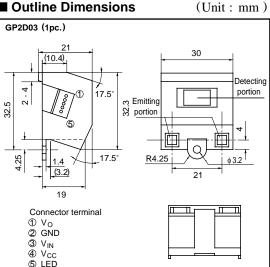
# **GP2D03**

## **Paper Size Sensor System**

#### ■ Features

- 1. Paper size sensor system
  - 2-beam paper size sensor **GP2D03** 3pcs.
  - E<sup>2</sup>PROM for data storage 1pc. [Serial access type, memory capacity: 128 x 8 bit] (E<sup>2</sup>PROM shall be applied to users'.)
- 2. High sensitive detection because of less influence on the color or reflectivity of reflective object thanks to position sensitive detector (PSD)
- 3. 2-beam type (**GP2D03**)
- 4. With initial mode in order to make E<sup>2</sup>PROM store thresh level for the existence of reflective object

#### **■** Outline Dimensions



#### ■ Applications

1. Copiers

### ■ Specifications

	2500)	
$\mathbf{I} \mathbf{a} =$	25°C)	

Parameter		Symbol	Rating	Unit
Supply voltage		V <sub>cc</sub>	5± 0.5	V
*1Paper detection height		Н	TYP. 60	mm
LED beam pitch		LP	TYP. 21	mm
*2Approved value of paper position sliding		Δx	MIN. ± 6	mm
*3Measuring time		ts	TYP. 140	ms
*4Paper detection density		OD	0.8 or less	-
Dissipation current	GP2D03	$I_{CC}$	TYP. 30	mA
Operating temperature		T opr	- 10 to 60	°C

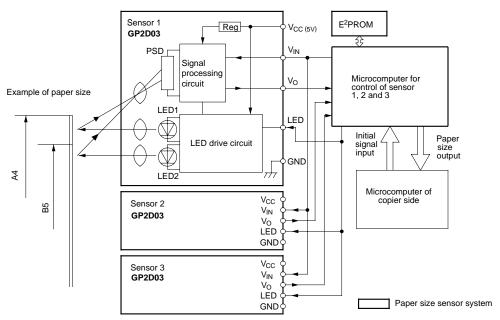
<sup>\*1</sup> Optional setting in the range of 50mm to 70mm. Between the sensor to setting glass

<sup>\*2</sup> At 60mm-height

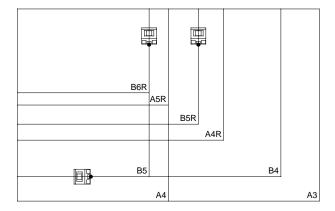
<sup>\*3</sup> Time requiring for measurement of 6 portions

<sup>\*4</sup> Reflectivity: 16% or more, OD = log (1/T), T: Reflectivity

## **■** System Configuration

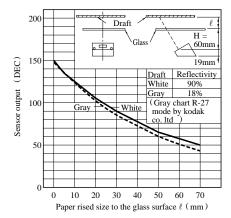


## **■** Example of Sensor Arrangement





#### **Distance Characteristics of GP2D03**



• Please refer to the chapter "Precautions for Use"

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