## ■Absolute maximum ratings

(Ta=25°C, Vcc=5V)

| Parameter | Symbol | Ratings | Unit | Remark |
|---|---|---|---|---|
| Supply voltage | Vcc | -0.3 to +7 | V | - |
| Output terminal voltage | Vo | -0.3 to Vcc+0.3 | V | - |
| Operating temperature | Topr | -10 to +60 | °C | - |
| Storage temperature | Tstg | -40 to +70 | °C | - |

## ■Operating supply voltage

| Symbol | Rating | Unit | Remark |
|---|---|---|---|
| Vcc | 4.5 to 5.5 | V | - |

## ■Electro-optical Characteristics

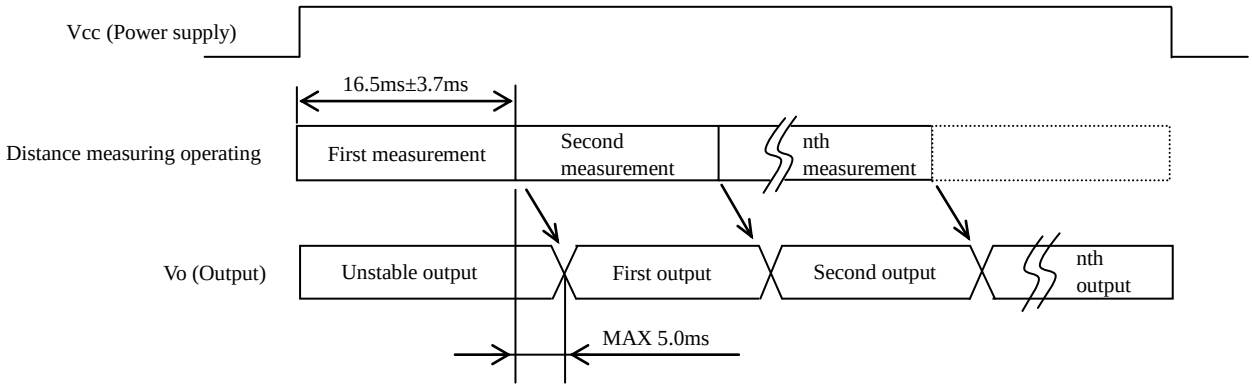
| Parameter | Symbol | Conditions | MIN. | TYP. | MAX. | Unit |
|---|---|---|---|---|---|---|
| Measuring distance range | ΔL | (Note 1) | 4 | - | 30 | Cm |
| Output terminal voltage | Vo | L=30cm (Note 1) | 0.25 | 0.4 | 0.55 | V |
| Output voltage difference | ΔVo | Output change at L change (30cm → 4cm) (Note 1) | 1.95 | 2.25 | 2.55 | V |
| Average supply current | Icc | L=30cm (Note 1) | - | 12 | 22 | mA |

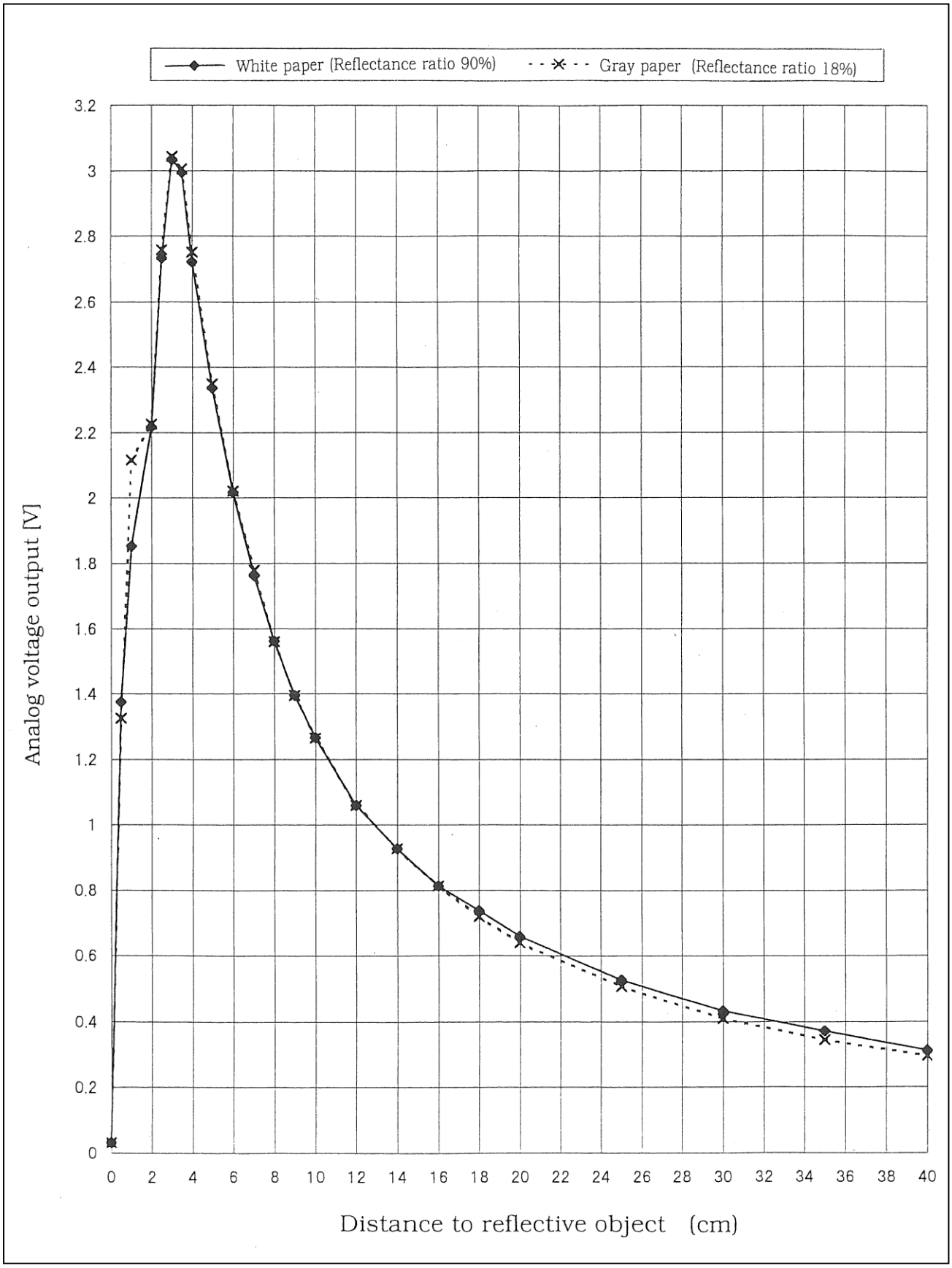
※L : Distance to reflective object

(Note 1) Using reflective object : White paper

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

## ■Timing Chart



## ■Supplements

●Example of output distance characteristics