

MT

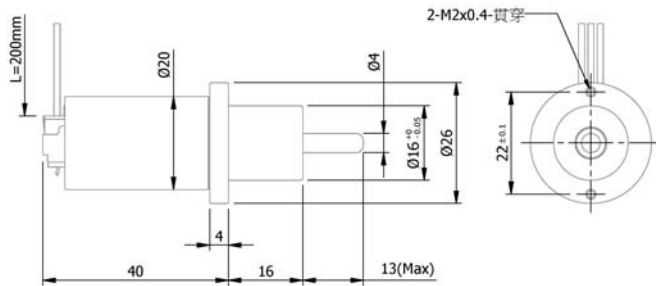
LINEAR DISPLACEMENT SENSOR
HALL EFFECT
NON CONTACTING



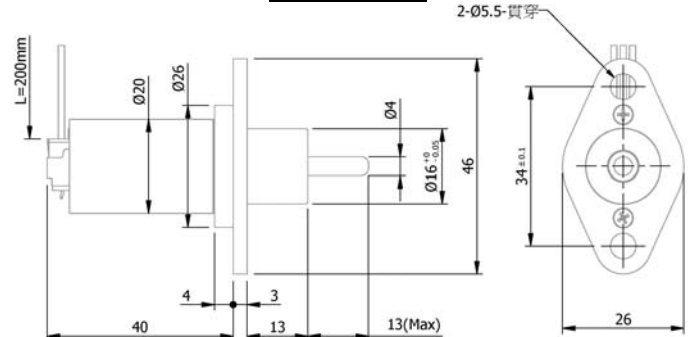
- For Small, Dynamic Movements Measurement.
- Long life: 1X10⁶ Movements
- Non Contacting, High Life
- Application 適合: 間距 Distance、位置 Position
張力 Tension、速度 Speed

DIMENSION

MT-10-5V



MT1-10-5V



ELECTRICAL SPEC.

| | |
|--|-----------------------------------|
| Useful Electrical Stroke(E.S. U) 使用電子行程 | 10 mm |
| Effective Electrical Stroke(E.S. E) 有效電子行程 | 10.4 +/- 0.1 mm |
| Output 輸出信號 | 4 ~ 96% Vin |
| Resolution 解析 | 12 bit (4096) (0~100%Vin) |
| Power Supply 供應電源 | DC 5V +/- 10% |
| Current Consumption 消耗電流 | ≤ 15 mA |
| Continuous Output Current 輸出電流 | Min. 1.2 mA |
| Output Load 輸出負載阻抗 | 5KΩ ≤ RL ≤ 200KΩ (10KΩ suggested) |
| Non Linearity 非線性 | ≤ 1% |
| Temp. Coefficient 溫飄係數 | 400 ppm/°C |
| Response Time of Output 反應時間 | Max. 10 mS |
| Dielectric Resistance 絕緣電阻 | 100 MΩ / 500 Vdc |
| Compression Strength 耐壓強度 | 1 KV/min. |

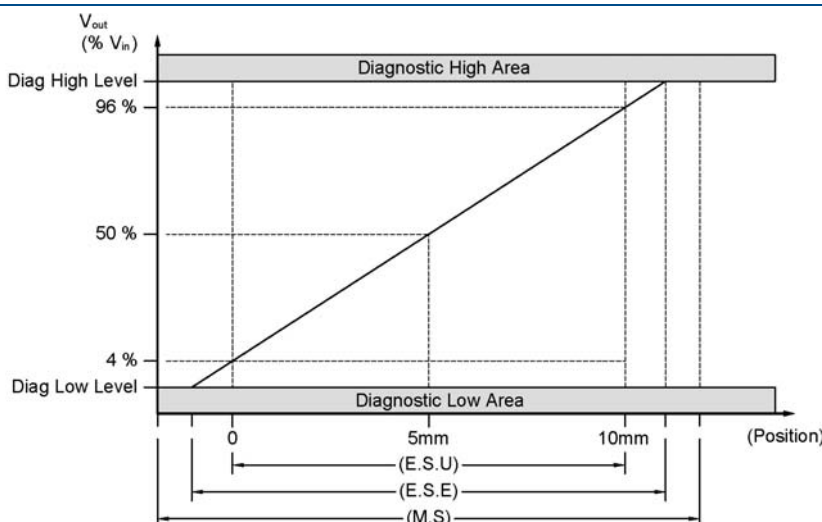
MECHANICAL SPEC.

| | |
|------------------------------|--------------------------------|
| Mechanical Stroke(M.S.) 機構行程 | 12.8 +/- 0.2 mm |
| Contact Force 推力 | ≤ 300 g |
| Vibration 震動 | 10 ~ 55 Hz / 1.5 mm X.Y.X. 2Hr |
| Cable 電線 | 200 mm |
| Weight 重量 | < 80 g |

ENVIRONMENTAL SPEC.

| | |
|-----------------|-----------------------------|
| Operating Temp. | -10°C ~ 85°C, RH 35% ~ 90% |
| 容許操作溫度 | (No Condensation) |
| Protection 保護等級 | IP50: Dust Proof |
| Life 壽命 | 1 X 10 ⁶ cycles, |

OUTPUT CURVE



CONNECTION

