

MT

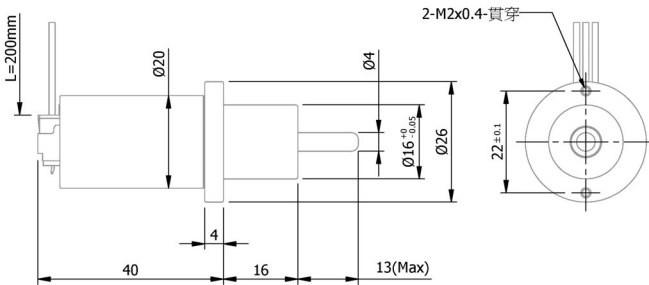
LINEAR DISPLACEMENT SENSOR
HALL EFFECT
NON CONTACTING



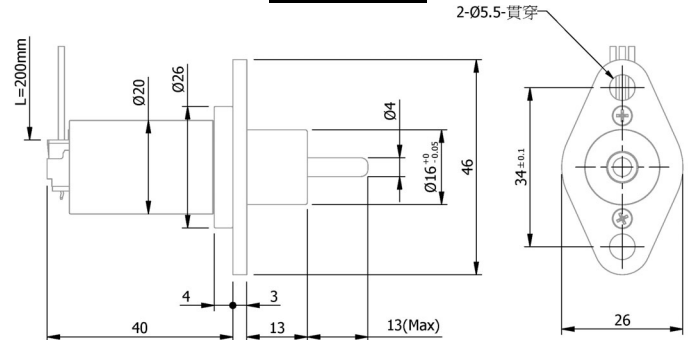
- For Small, Dynamic Movements Measurement.
- Long life: 1×10^6 Movements
- Non Contacting, High Life
- Application 適合: 間距 Distance、位置 Position
張力 Tension、速度 Speed

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
Insulation Resistance 絕緣阻抗(MΩ min.)	100 MΩ / 500 Vdc
Insulation Strength 耐壓強度(Vrms)	1KV / min.

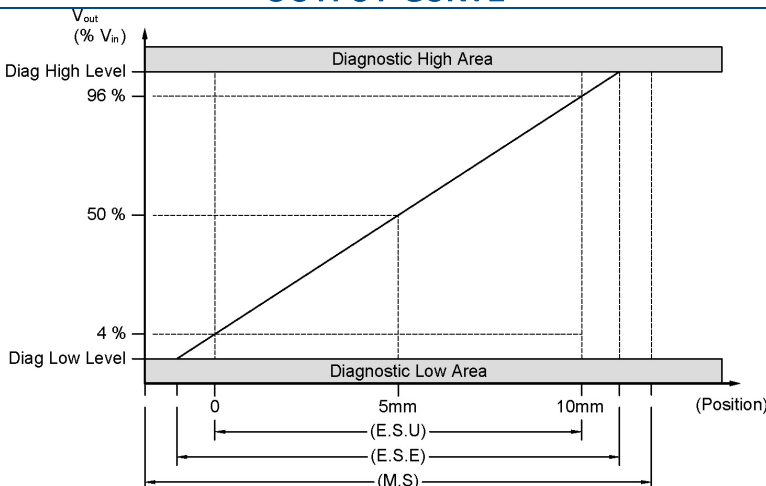
MECHANICAL SPEC.

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

