

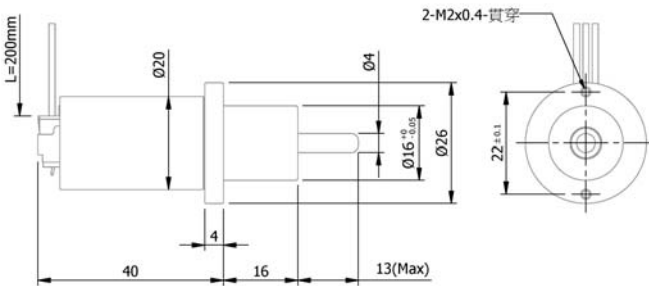
**LINEAR DISPLACEMENT SENSOR
HALL EFFECT
NON CONTACTING**



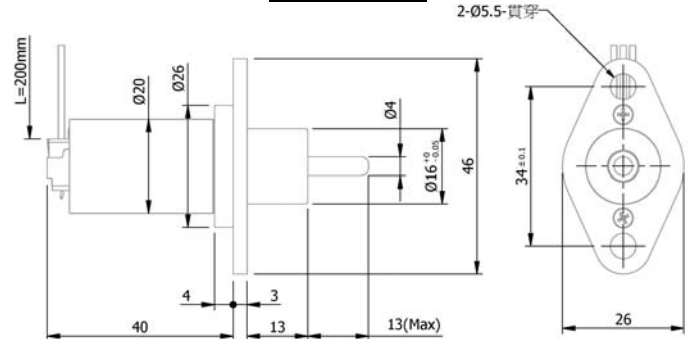
- For Small, Dynamic Movements Measurement.
- Long life: 1X10⁶ Movements
- Non Contacting, High Life
- Application: Distance · Position Tension Speed

DIMENSION

MT-10-5V



MT1-10-5V



ELECTRICAL SPEC.

Useful Electrical Stroke(E.S. U)	10 mm
Effective Electrical Stroke(E.S. E)	10.4 +/- 0.1 mm
Output	4 ~ 96% Vin
Resolution	12 bit (4096) (0~100%Vin)
Power Supply	DC 5V +/- 10%
Current Consumption	≤ 15 mA
Continuous Output Current	Min. 1.2 mA
Output Load	5KΩ ≤ RL ≤ 200KΩ (10KΩ suggested)
Non Linearity	≤ 1%
Temp. Coefficient	400 ppm/°C
Response Time of Output	Max. 10 mS
Dielectric Resistance	100 MΩ / 500 Vdc
Compression Strength	1 KV/min.

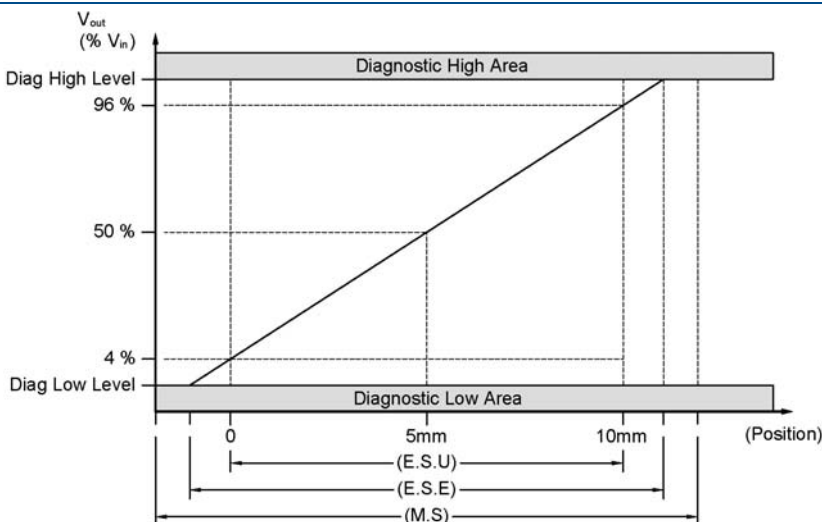
MECHANICAL SPEC.

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

ENVIRONMENTAL SPEC.

Operating Temp.	-10°C ~ 85°C, RH 35% ~ 90% (No Condensation)
Protection	IP50: Dust Proof
Life	1 X 10 ⁶ cycles,

OUTPUT CURVE



CONNECTION

