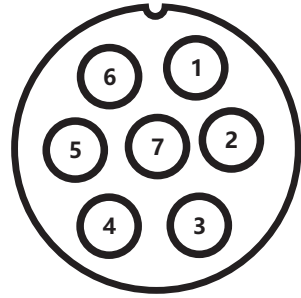


(DB9 Connector)



(Din7 Connector)

Linear Scale Signal Wiring Diagram

DB9 -- TTL

Nine-Pin TTL output signal

Pin	1	2	3	4	5	6	7	8	9
Signal	Empty	0V	Empty	Shield	empty	A	+5V	B	R
Color		Black		Shielding		Yellow	Red	Green	Brown

DB9--RS422

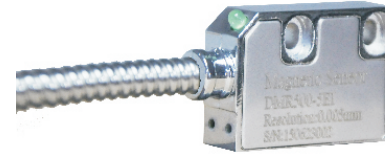
Nine-Pin RS422 output signal

Pin	1	2	3	4	5	6	7	8	9
Signal	A-	0V	B-	Shield	R-	A	+5V	B	R
Color	Orange	Black	Blue	Shielding	White	Yellow	Red	Green	Brown

DIN7 -- TTL

Seven-Pin TTL output signal

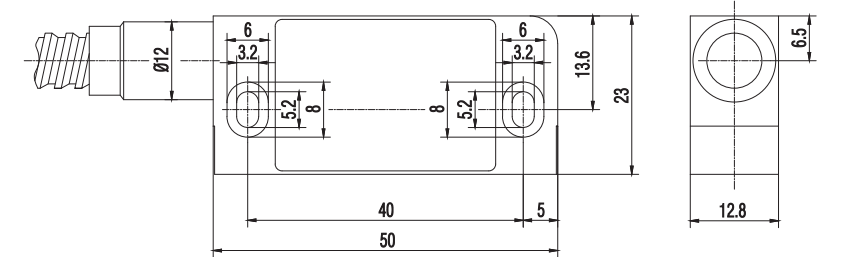
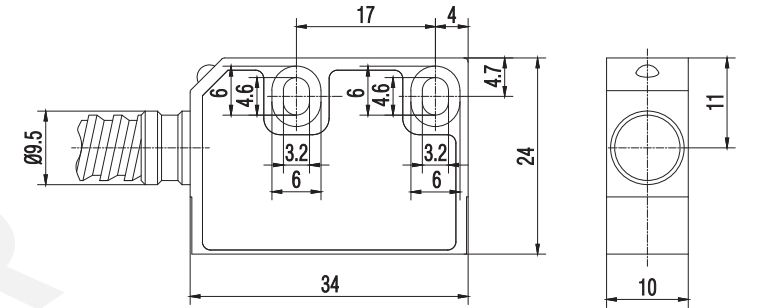
Pin	1	2	3	4	5	6	7
Signal	0V	Empty	A	B	+5V	R	Shield
Color	Black		Yellow	Green	Red	Brown	Shielding



(DMR500)



(DMR5000)

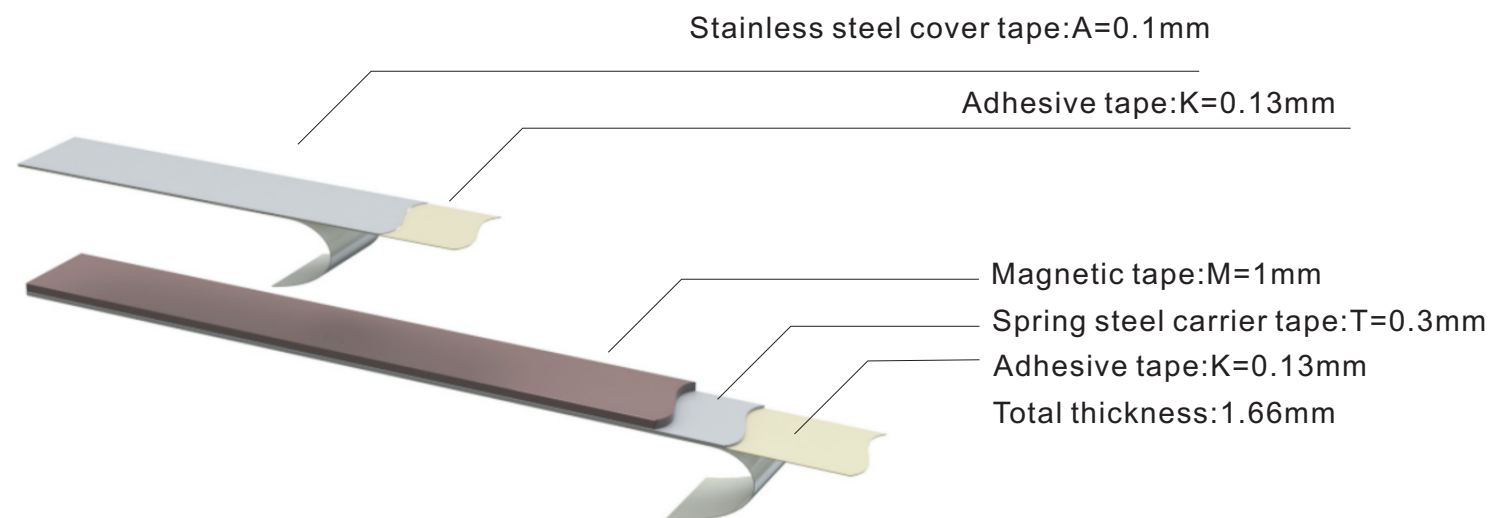


Technical Parameters:

- Voltage:4.7V to 7.5V(The range of anti-pole and over-voltage protection:-20V-+20V)
- Supply current: < 35mA
- Cable Voltage-drop:~4.8mV/m-without load
~12.5mV/m-with 120Ω load
- Output signal:RS422,TTL
- Signal Level:UH≥2.5V at IH=20mA
UL≤0.5V at IL=20mA
- Temperature: working:-10°C-+80°C
Storage: -40°C-+85°C
- Resolution:0.01mm,0.005mm,0.001mm
- Accuracy:±0.02mm/M
- Repeat Accuracy:1 pulse
- Maximum cable length:200M

Features:

- Rated to IP67 protection class.
- Automatic gain control technics, reduced the requirement for installation. The gap between the reader and tape can be 3mm.
- Protection of the anti-pole of the power and wrong wire connection (voltage < 5.5V).
- High Speed, can reach 150 Meters/Minute for the resolution of 5 micron.
- Clear indication LED light (Red&Green), easy for installation and adjustment.



MS500

Technical Parameters:

Pole Pitch: 2/5mm

Maximum length: 50M

Expansion Coefficient: $(11 \pm 1) \times 10^{-6}/K$

Temperature Range: -20 °C to +85 °C (Operation)

-40 °C to +100 °C (Storage)

Width: 10mm $\pm$ 0.2mm

Features:

Convenient adhesive installation.

The entire roll length can reach 50m.

Accuracy up to 20 μ m .



DMA

