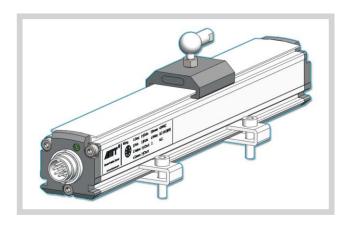


RS Series | SSI output: 24, 25, 26 bit binary or gray



Product features

- External installation, Easy to use
- Absolute position output, No need to return to zero
- Non-Contact Sensing with Highest Durability
- High resolution, SSI output up to 2 μm
- Non-linearity is less than 0.01% of the range
- Repertability is higher than 0.001% of the range
- Low-power comsumption design, Effectively reduce the system wenpiao
- Slider magnet with joint bearings, can bear the big lateral stress
- Suspended magnet, The allowable maximum

vertical clearance can reach 15mm

Technical Data

Project name Data/Index

Measurement parameters

Measuring range 50~4500mm

Out put 24、25、26 bit binary or gray

Data speed 70kBd~1MBd

length: < 3 < 50 < 100 < 200 < 400 m

rate: 1000 < 400 < 300 < 200 < 100 kBd

Resolution 2/5 / 10 / 20 / 50 / 100um

linearity $< \pm 0.01\%$ F.S.(Minimum $\pm 40 \mu$ m)

Repertability $< \pm 0.002\%$ F.S. (± 1 bit)

Update time length: 300 750 1000 2000 5000 mm

rate: 3.7 3.0 2.3 1.2 0.5 kHz

Electrical characteristics

Leading-out mode cable outlet or 7 pin connector

Input voltage 24VDC (-15/+20%)

Current drain < 60mA (With the range of variation)

Polarity protection up to 30VDC

Overvoltage protection up to 36VDC

Electric strength 500V (DC ground to machine ground)

Diagnostic display LEDs beside connector

Din

Project name Data/Index

Design, material

Sensor head built-in
Sensor stroke Aluminium
Mounting flange AISI 304

Installation

Mounting direction any

Mounting mode Screw mounted, M5x20 or User customization

Position magnet V-magnet, M-magnet, N-magnet

Operating conditions

Magnet speed any

Operating temperature − 40°C ~ +85°C

Dew point/humidity 90% rel.humidity, no condensation

Temperature coefficient <15ppm/℃

Protection IP65

Electrical connection

SSI output pin definition



Male insert sensor plug rear of cable connector

	FIII	Cable	FullCtion
	1	Grey	(+) Output
	2	Pink	(–) Output
	3	Yellow	Prog.
	4	Green	Com.
	5	Brown	+24Vdc
	6	White	DC GND (0 Vdc)
	7		NC

Cabla

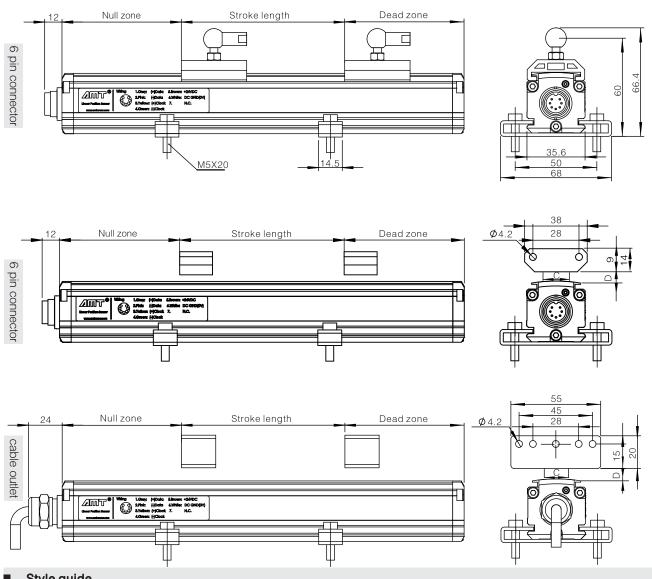
■ Status indicator



Indicator lamp status	Definition
The green on	Normal working
The green flashing	Program status
The red flashing	magnet out of effective
	range
The red on	magnet not detected or
	magnet damaged

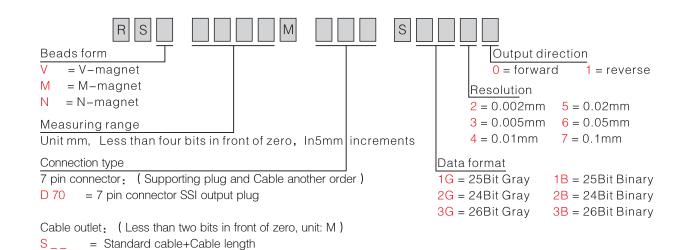
Eupotion

Outline dimensions





T__



= High temperature cable+Cable length