

Analog Output



Descriptions:

The standard analog output is offered, including 4-20mA current output and 0V-10V voltage output. The output can be set forward and reverse in accordance with requirements, 4-20mA and 20-4 mA, 0-10V and 10-0V.

Features:

- High resolution analog output (16 Bit)
- CE Certification
- Bear 340bar absolute pressure

Technical Parameters:

Type	EL...M-R.10-M.-D.-A... / EL...M-R.10-M.-D.-V...
Output	Current: 4 - 20 mA, 20 - 4 mA / Voltage: 0 - 10V, 10 - 0 V
Measuring Range	50...3000mm
Repeatability	±0.002%FS or as same as resolution
Resolution	16 Bit D/A
Work Temperature	
Head Part	-40°C to +85°C
Pole Part	-40°C to +100°C
Null Zone	50.8mm (rod style), 28mm (profile style)
Dead Zone	63.5mm (rod style), 66mm (profile style)
Work Voltage	24VDC (-15%~+20%)
Work Current	< 90mA (according to the range)
Protection Degree	IP65/67
Response Time	Generally ≤2ms, according to the range
Head	Hexagon, 70mm long, Face to face distance 46mm
Non-linearity	±0.025%FS Or ±0.07mm (whichever larger)
Lag	<10 μm (mechanical driving clearance not considered)
Store Temperature	-40°C to +120°C
Pressure	340bar
Max. Load Resistance/ Current	800Ω (For Current Signal Output Only) /2mA (For Voltage Signal Output Only)
Profile Style	Electronic head: Aluminium Rod: Aluminium housing Magnet type: Open-ring magnet
Rod Style	Electronic head: Aluminium Rod: Stainless steel 304L Magnet type: Ring magnet
Connection	Cable or connector
Connector	6-pin

Wiring:

Pin No.	Cable Color	Function
1	Blue	Output 1/ Position 1# 4~20 ,20~4 mA , 0~10 , 10~0 V
2	Green	Return for pin 1
3	Yellow	Output 2/ Position 2# 4~20 ,20~4 mA , 0~10 , 10~0 V
4	White	Return for pin 3
5	Red	+24 VDC (-15% ~ +20%)
6	Black	0 VDC



Integral connector
as viewed from end
of sensor

Note:

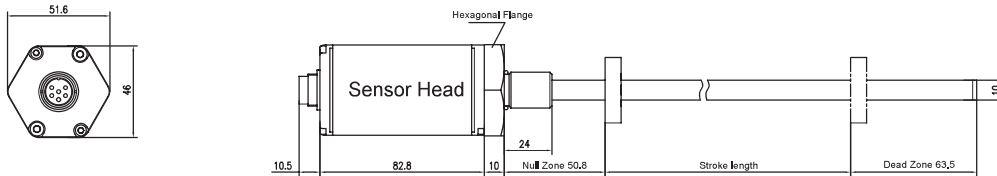
(1) When the connector is used, the wiring should be as the pin No shown in the following fig; while the direct cable is used, the wiring should be as the color shown in the following fig.

(2) When only one cursor is used, pin No. 3 and 4 or cable color yellow and white should be floating.

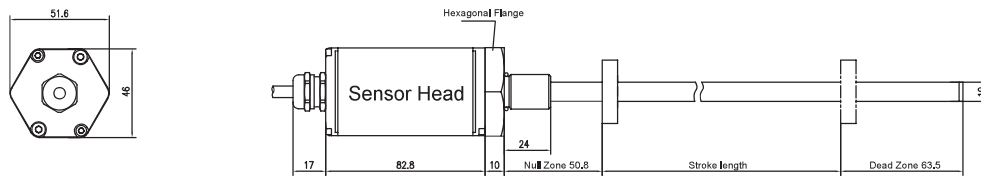
Analog Output

Dimension:

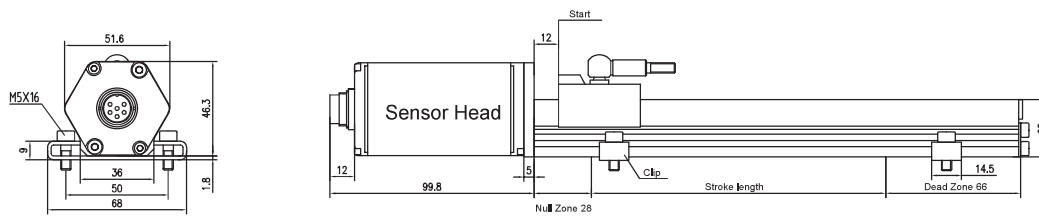
Analog Output (RH Rod style, connector)



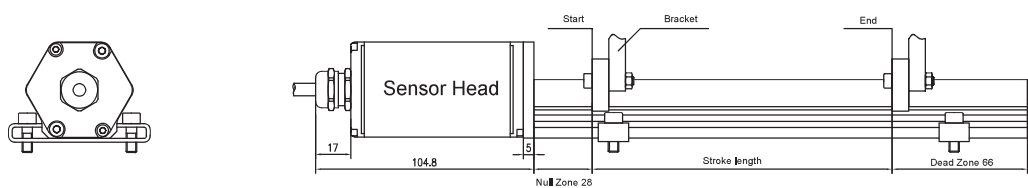
Analog Output (RH Rod style, cable)



Analog Output (RP Profile style Captive-sliding magnet)



Analog Output (RP Profile style Float magnet)



Analog Output

Analog Output Type Ordering Code:

EL 0000 M - R H 10 - M1 - D 00 - A000 *

