

Contact Displacement Sensor

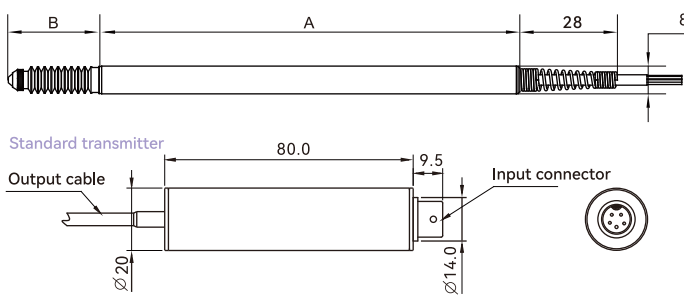
MRA-P Series



Appearance					
Type	Pencil type				
Detecting principle	Differential transformer				
Drive mode	Rebound				
Measuring range	2mm	5mm	8mm	10mm	
Linearity	±0.25% F.S.				
Repeat accuracy	1μm				
Sampling frequency	10Hz				
Response time	100ms				
Resolution	≤0.1μm, communication output is 16 bit				
Working voltage	9 ~ 28V DC(0 ~ 5V analog output)				
	9 ~ 29V DC(0 ~ 10V analog output)				
	Two-wire, 15 ~ 28V DC (4 ~ 20mA analog output)				
Operating temperature	9 ~ 12V DC (RS485 output)				
	-25°C ~ +85°C (No freezing)				
Humidity	10 ~ 80% Rh (No condensation)				
temperature characteristic	Zero ≤0.01%FS/°C				
	Sensitivity ≤0.025%FS/°C				
Dynamic characteristic	5Hz				
Enclosure rating	IP64				
Protocol	Modbus RTU				
Material	Stainless steel				
Weight	130g				
Model	Analog voltage 0 ~ 5V	MRA-P02R01V1	MRA-P05R01V1	MRA-P08R01V1	MRA-P10R01V1
	Analog voltage 0 ~ 10V	MRA-P02R01V2	MRA-P05R01V2	MRA-P08R01V2	MRA-P10R01V2
	Analog current 4 ~ 20mA	MRA-P02R01A	MRA-P05R01A	MRA-P08R01A	MRA-P10R01A
	RS485	MRA-P02R01M1	MRA-P05R01M1	MRA-P08R01M1	MRA-P10R01M1

Dimensions

Unit:mm



Parameter	Rebound			
	2	5	8	10
Measuring range (mm)	2	5	8	10
Length of A(mm)	65.5	115	121	121
Length of guide rod B(mm)	19.6	23.3	30.3	30.3

Circuit diagram

