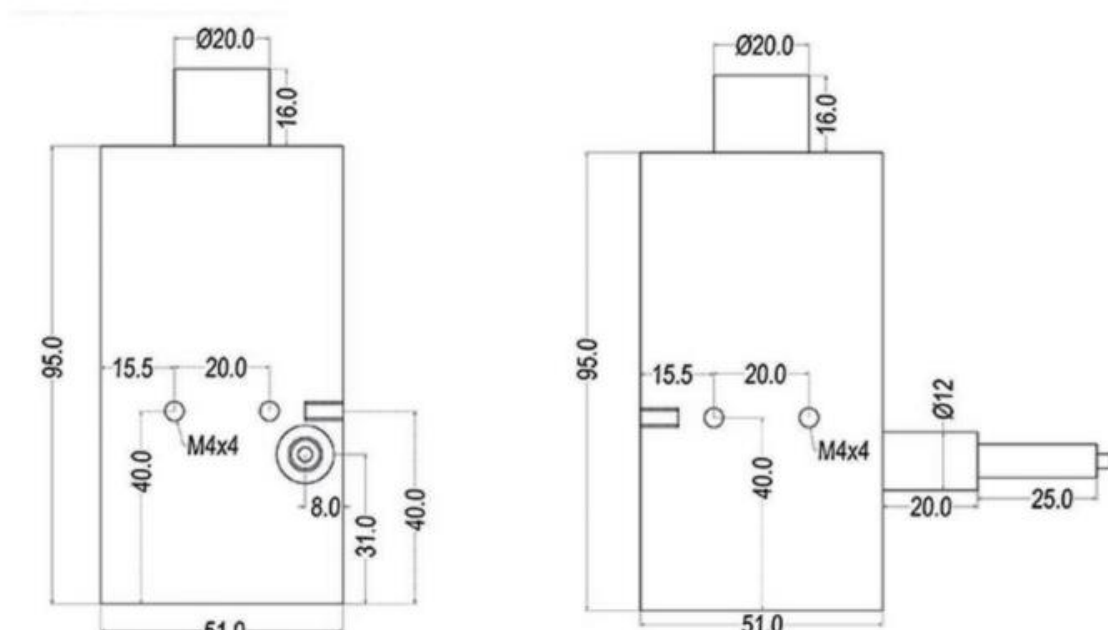# Draw Rope Displacement Sensor

WS draw rope displacement sensor, measuring range 100mm to 1250MM. Sensor output signal: resistance output, voltage output, current output. The sensor is small in size, high in accuracy, easy to install and use, and is widely used in the automation industry.

Working range	100mm,250mm,500mm，750mm,1000mm,1250mm
Linear precision	±0.15%FS
Repeatability accuracy	±0.02%FS
Resistance (±10%)	5K Ω ; 10 K Ω
Resolution	Infinite
Max working voltage	24V DC
Output signal	Resistance output; voltage output(0-5V, 0-10v); 4-20Ma; RS485 digital signal
Sensor type	Encoder
Max working speed	1m/s
Usage temperature	-40℃～~ +80℃
Usage life	5 million times
Traction	250±25g
Wire diameter	0.8mm
IP grade	IP65
Maximum quality	250g

Dimension

Wiring

sensor type	wire color	connection	sensor type	wire color	connection
Resistance output (5K/10K)	(Brown)	DC 5V/10V	Current output (two wires)	(Brown)	DC 15-24V
	(Blue)	0V		(Black)	output
	(Black)	output		Shielded	(Ground)
	Shielded	(Ground)	voltage/current output (four wires)	(Red)	DC 15-24V
voltage/current output (three wires)	(Brown)	DC 15-24V		(Green)	0V
	(Blue)	0V		(Black)	Output+
	(Black)	Output		(White)	Output-
	Shielded	(Ground)		Shielded	(Ground)

Application

Metallurgical rolling mill
Water gate control
wind power
Injection molding machine
Rubber machinery
Hydraulic cylinder servo control
Gas station