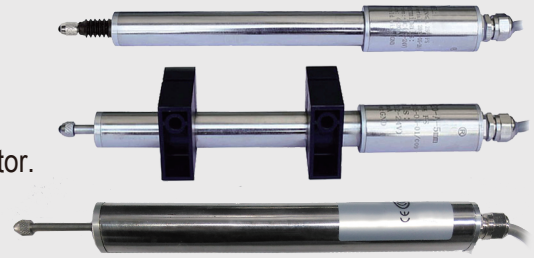


- Built-in precision linear bearing, good repeatability, outer diameter Φ 20 mm.
- The silicon nitride ceramic probe with good wear resistance.
- Measuring range: 5-100mm, 304 stainless steel material.
- DC single power supply, built-in high - performance signal demodulator.
- 4-20mA output (2wires) and 0-10V (3 wires), RS-485.
- No sliding contact, long service life.



SPECIFICATION

- | | | | |
|--------------------|------------------------------------------------------|----------------------------|------------------------------------------------|
| ◆ Stroke: | 5mm, 10mm, 20mm, 25mm, 40mm, 50mm, 100mm | ◆ Dynamic characteristics: | 3Hz (rod type can be 50HZ) |
| ◆ Output signal: | 0~10V, 4~20mA, RS485 | ◆ Impact resistance: | 250g/11 ms |
| ◆ Resolution: | $\leq 0.1\mu\text{m}$ (Max.) digital output is 16bit | ◆ Vibration allowed limit: | 10g/2KHZ |
| ◆ Linearity: | $\leq \pm 0.25\%$ FS | ◆ Driving voltage: | 3Vrms |
| ◆ Repeatability: | Max. 1 μm | ◆ Driving frequency: | 5KHZ |
| ◆ Power supply: | +12~30Vdc | ◆ Temperature coefficient: | zero point $\leq 0.01\%/^{\circ}\text{C}$ |
| ◆ Working current: | Voltage output current <10mA | ◆ Sensitivity: | $\leq 0.025\%/^{\circ}\text{C}$ |
| | 2-wires 4~20mA output current: 4~25mA | ◆ Operating temperature: | -25 $^{\circ}\text{C}$ ~+85 $^{\circ}\text{C}$ |
| | RS485 output current: 15~40mA | | |

ORDER INFORMATION

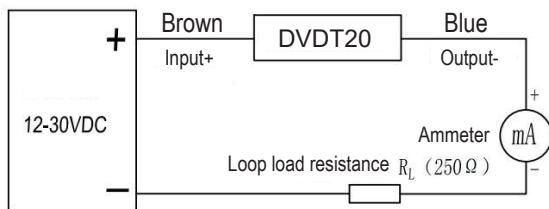
DVDT20- Code1 - Code2 - Code3 - Code4

Code1	Output Signal	Code2	Measuring Range	Code3	Electron, coil size	Code4	Accuracy
A	4~20mA	5	5	A	Electron Φ 20mm, coil Φ 15mm	01	Under 10mm: $\leq 0.1\%$
V2	0~10V	10	10	B	Electron, coil Φ 20mm	025	Under 40mm: $\leq 0.25\%$
Y	RS485	20	20			1	Upper 40mm $\leq 1\%$
		25	25				
		40	40				
		50	50				
		100	100				

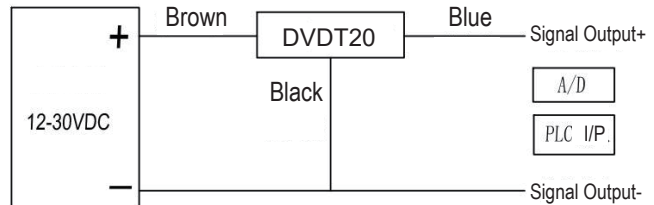
WIRING CONNECTION

The output voltage of the dc stabilized voltage supply must be within the specified range.

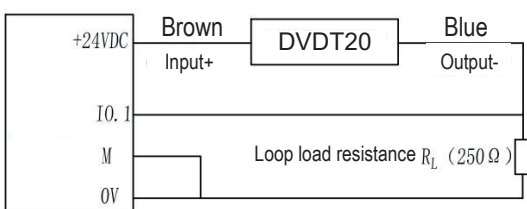
● 2 wires current



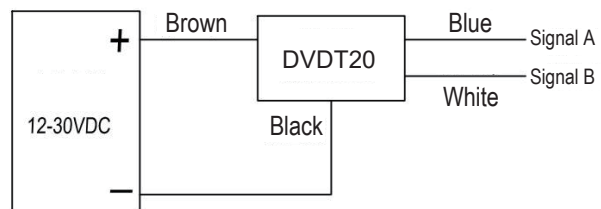
● Voltage



● 3. 4 wires current



● RS485



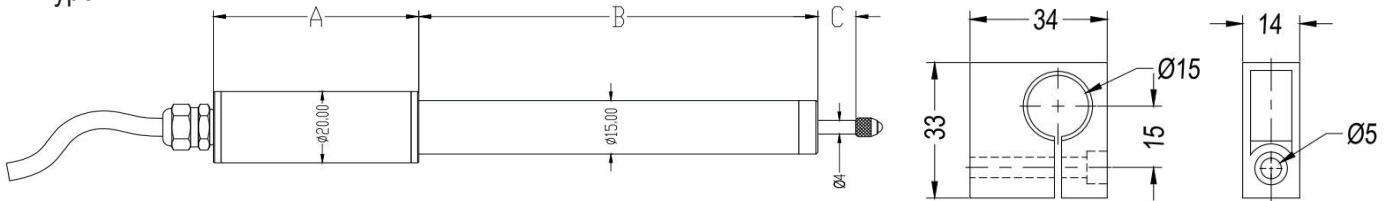
1. The wire connection for 4-20mA output:
Brown: power supply positive(+) current input (+)
Blue: power supply negative (-) current output (-)

2. The wire connection for voltage output:
Brown: power supply positive(+)
Black: power supply negative (-) output signal (-)
Blue: voltage output (+)

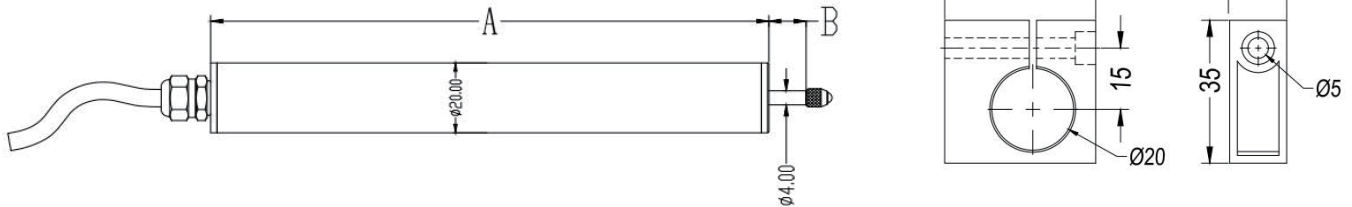
3. The wire connection for RS485 output:
Brown: power supply positive(+)
Black: power supply negative (-)
Blue: signal A
White: signal B

DIMENSION

● Type A



● Type B



Specification \ Range		DVDT20						
		5	10	20	25	40	50	100
A	Length of part A(mm) (Current. Voltage)	69	69	69	69	69	69	69
	Length of part A(mm) (RS485 output)	79	79	79	79	79	79	79
	Length of part B(mm)	90	90	100	100	243	243	338
	Length of part C(mm)	17	27	22	27	45	55	105
B	Length of part A(mm)	145	145	155	155	290	290	395
	Length of part B(mm)	17	27	22	27	45	55	105

INSTALLATION

The installation of LVDT need to use non-metallic fixture with small temperature expansion coefficient to fix. If the fixture is installed with metal block, the product performance will be affected.

