

# Short-range high precision TOF distance sensor

ELT Series

Laser

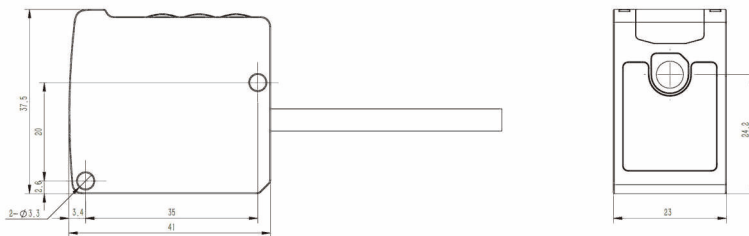


Appearance			
Light source	Laser 650nm, < 1.3mW		
Laser class	Class 2		
Frequency	>1KHz		
Sensing distance	50-5000mm		
Response time	1ms		
Absolute accuracy	±50mm		
Repeat accuracy	±5mm		
Operating voltage	9-30V	18-30V	9-30V
Interface	PNP&NPN	4-20mA	RS-485
Load capacity	≤100mA	≤500Ω@24V	/
Power consumption	< 1W(no output)		
Protection level	IP67		
Working temperature	-20~ 55°C (No freezing)		
Working humidity	35 ~ 85% RH ( No condensation)		
Storage temperature	-40°C~+85°C		
Ambient light	Incandescent lamp >10000 Lux at 1m distance, >3000 Lux at 5m distance		
Output	NPN+PNP output	Current output	485 output
Model	<b>ELT-M10NP</b>	<b>ELT-M10A</b> <span style="border: 1px solid red; padding: 2px;">developing</span>	<b>ELT-M10SP1</b> <span style="border: 1px solid red; padding: 2px;">developing</span>

- Fiber Optic
- Slot Sensors
- Photoelectric
- Laser
- Proximity
- Displacement
- Magnetic
- Contact
- Area
- Ultrasonic
- Vision
- Code Readers
- Vibration
- Temperature
- Accessories

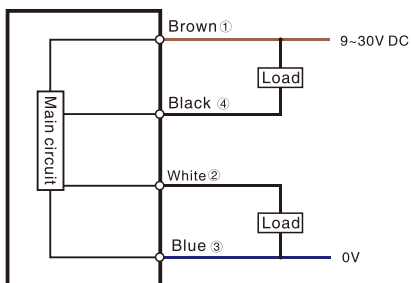
## Dimensions

Unit: mm

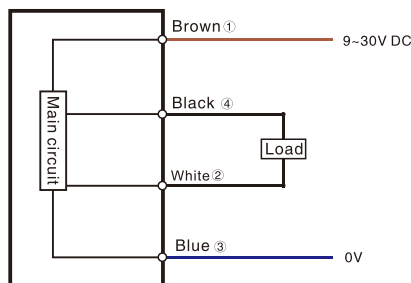


## Circuit diagram

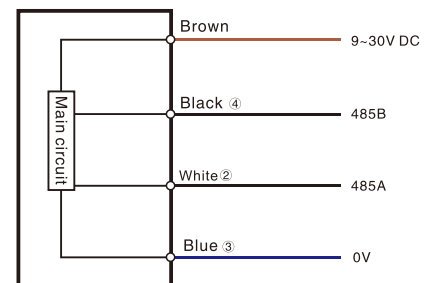
### NPN+PNP output



### Current output



### RS-485 output



- Laser sensors
- Square
- BGS
- Transparent objects detection