



## Lanbao Through Beam CE Marking M30 Plastic Body Photoelectric Sensor 20m 40m Sensing Distance 10-30v Auto Infrared Optical Sensor

### Product Features

- ◆Through beam reflection working principle;
- ◆Excellent anti-interference performance;
- ◆High detection accuracy.

## Product Parameters

### Product parameter

#### 2m PVC Cable

	Emitter	Receiver	Emitter	Receiver
NPN NO	PR30S-TM20D	PR30S-TM20DNO	PR30S-TM40D	PR30S-TM40DNO
NPN NC	PR30S-TM20D	PR30S-TM20DNC	PR30S-TM40D	PR30S-TM40DNC
NPN NO+NC	PR30S-TM20D	PR30S-TM20DNR	PR30S-TM40D	PR30S-TM40DNR
PNP NO	PR30S-TM20D	PR30S-TM20DPO	PR30S-TM40D	PR30S-TM40DPO
PNP NC	PR30S-TM20D	PR30S-TM20DPC	PR30S-TM40D	PR30S-TM40DPC
PNP NO+NC	PR30S-TM20D	PR30S-TM20DPR	PR30S-TM40D	PR30S-TM40DPR

#### M12 Connector

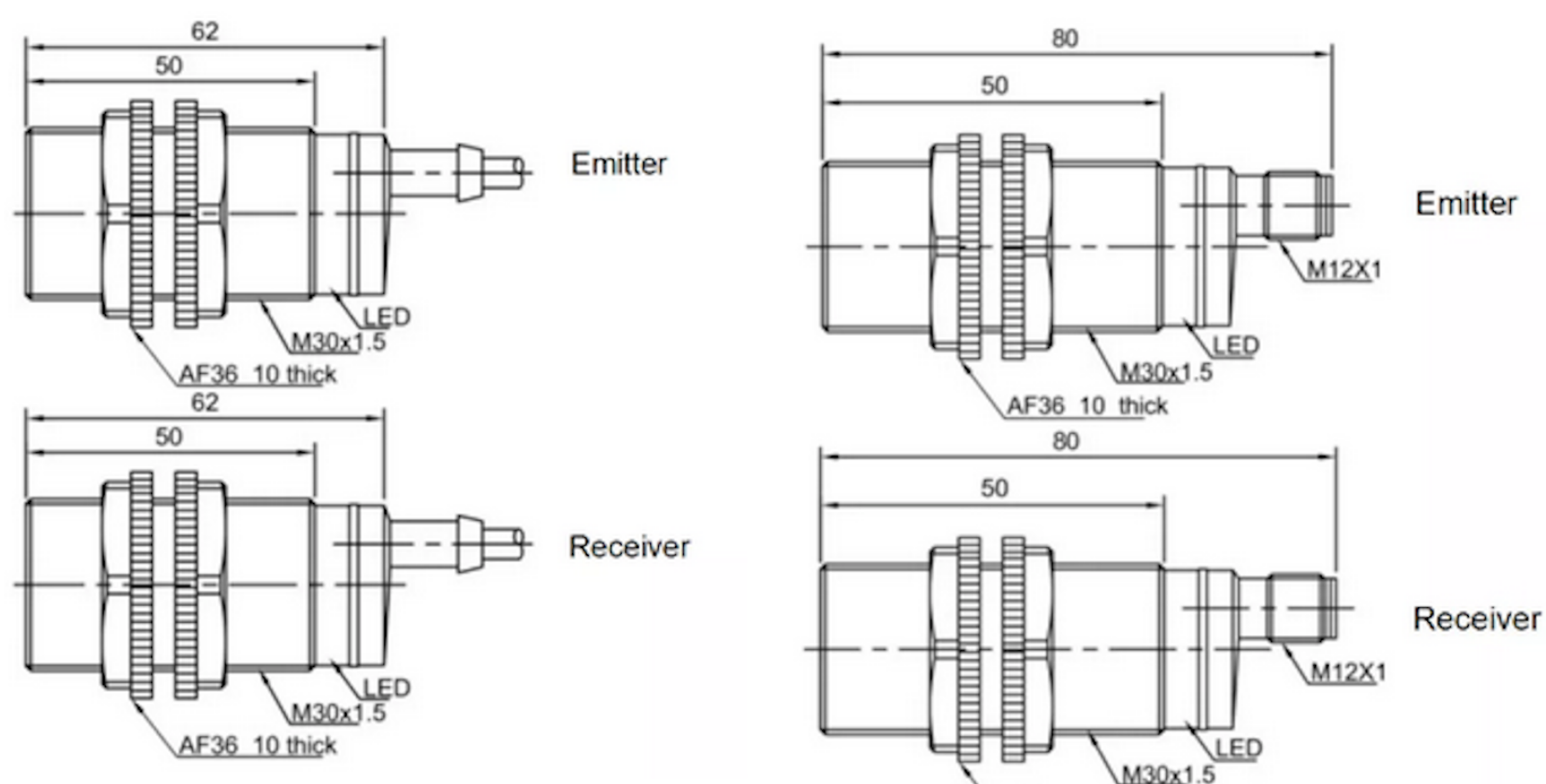
	Emitter	Receiver	Emitter	Receiver
NPN NO	PR30S-TM20D-E2	PR30S-TM20DNO-E2	PR30S-TM40D-E2	PR30S-TM40DNO-E2
NPN NC	PR30S-TM20D-E2	PR30S-TM20DNC-E2	PR30S-TM40D-E2	PR30S-TM40DNC-E2
NPN NO+NC	PR30S-TM20D-E2	PR30S-TM20DNR-E2	PR30S-TM40D-E2	PR30S-TM40DNR-E2
PNP NO	PR30S-TM20D-E2	PR30S-TM20DPO-E2	PR30S-TM40D-E2	PR30S-TM40DPO-E2
PNP NC	PR30S-TM20D-E2	PR30S-TM20DPC-E2	PR30S-TM40D-E2	PR30S-TM40DPC-E2
PNP NO+NC	PR30S-TM20D-E2	PR30S-TM20DPR-E2	PR30S-TM40D-E2	PR30S-TM40DPR-E2



Detection type	Through beam
Rated distance [Sn]	20m or 40mm (non-adjustable)
Standard target	> $\phi$ 15mm opaque object
Light source	Infrared LED (880nm)
Dimensions	M30*62mm M30*80mm
Output	NO/NC (depends on receiver)
Supply voltage	10...30 VDC
Min target	.....
Hysteresis range [%/Sr]	.....
Repeat accuracy [R]	$\leq 5\%$
Load current	$\leq 200\text{mA}$ (receiver)
Residual voltage	$\leq 2.5\text{V}$ (receiver)
Consumption current Circuit protection	$\leq 25\text{mA}$
Circuit protection	Short-circuit and reverse polarity
Response time	< 8.2ms
Output indicator	Emitter: Green LED Receiver: Yellow LED
Ambient temperature	-15°C...+55°C
Ambient humidity	35-85%RH (non-condensing)
Voltage withstand	1000V/AC 50/60Hz 60s
Insulation resistance	$\geq 50\text{M}\Omega$ (500VDC)
Vibration resistance	10...50Hz (0.5mm)
Degree of protection	IP67
Housing material	PBT
Connection type	2m PVC cable M12 Connector

## Drawing

### Dimension



# Wiring diagram

