




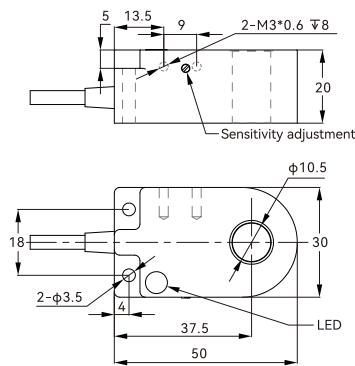
| | | | | |
|--------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Appearance |  |  |  |  |
| Housing size | H10 | H15 | H21 | H43 |
| Hole diameter | 10.5mm | 15.5mm | 22.5mm | 43.5mm |
| Hole height | 20mm | | | |
| Housing material | ABS | | | |
| Operating voltage | 10~30V DC(Ripple < 10%) | | | |
| Voltage drop | < 1.5V | | | |
| Load Current, Max | 150mA | | | |
| Current consumption | < 15mA | | | |
| Leakage current | < 10mA | | | |
| Switch frequency | 2KHz | 1.5KHz | 1KHz | 500Hz |
| Min.detectable object | D=2.5mm; L=4mm | D=3mm; L=6mm | D=6mm; L=12mm | D=9mm; L=18mm |
| Repeat accuracy | < 2.0% (Sr) | | | |
| Hysteresis | < 15% (Sr) | | | |
| Sensing surface material | PBT | | | |
| Operating Temperature | -25°C~+75°C | | | |
| Protective circuit | Short circuit; Reverse polarity | | | |
| Degree of protection | IP67 | | | |
| Model No. | TH10-20 NO | TH15-20 NO | TH21-20 NO | TH43-20 NO |
| | NO :NPN Normally open | NC :NPN Normally closed | PO :PNP Normally open | PC :PNP Normally closed |

- Fiber Optic
- Slot Sensors
- Photoelectric
- Laser
- Proximity**
- Displacement
- Magnetic
- Contact
- Area
- Ultrasonic
- Vision
- Vibration
- Temperature
- Annexes

Dimensions (Unit:mm)

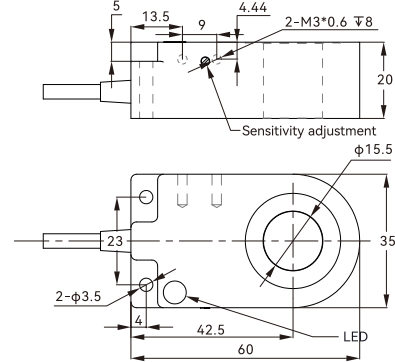
H10

TH10-20 □□



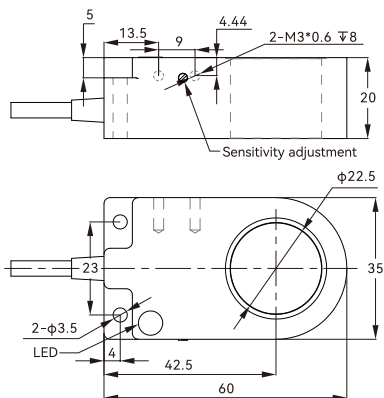
H15

TH15-20 □□



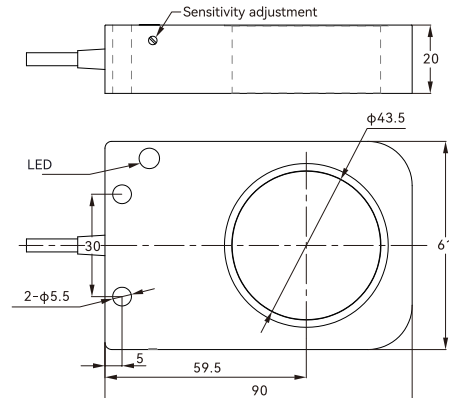
H21

TH21-20 □□



H43

TH43-20 □□



Guidance

Inductive sensors

- Standard distance
- Extended distance
- Long distance
- Square
- Mini square
- Mini-cylindrical
- Short-body
- Ring-type**
- Metal face
- Temperature
- Analog output
- DC 2 wires
- IP69K high protection

Capacitive sensors

- Cylindrical
- Correction resistanc type
- Flat type
- Level detection