

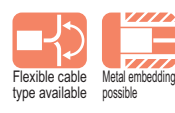
GX SERIES

- FIBER SENSORS
- LASER SENSORS
- PHOTOELECTRIC SENSORS
- MICRO PHOTOELECTRIC SENSORS
- AREA SENSORS
- LIGHT CURTAINS / SAFETY COMPONENTS
- PRESSURE / FLOW SENSORS
- INDUCTIVE PROXIMITY SENSORS**
- PARTICULAR USE SENSORS
- SENSOR OPTIONS
- SIMPLE WIRE-SAVING UNITS
- WIRE-SAVING SYSTEMS
- MEASUREMENT SENSORS
- STATIC ELECTRICITY PREVENTION DEVICES
- LASER MARKERS
- PLC
- HUMAN MACHINE INTERFACES
- ENERGY CONSUMPTION VISUALIZATION COMPONENTS
- FA COMPONENTS
- MACHINE VISION SYSTEMS
- UV CURING SYSTEMS

Related Information ■ General terms and conditions..... F-7 ■ Sensor selection guide P.803~
 ■ Glossary of terms..... P.1482~ ■ General precautions P.1485~



panasonic.net/id/pidsx/global



Robust enclosure and flexible cable types are also available

VARIETIES

Miniature

GX-3S

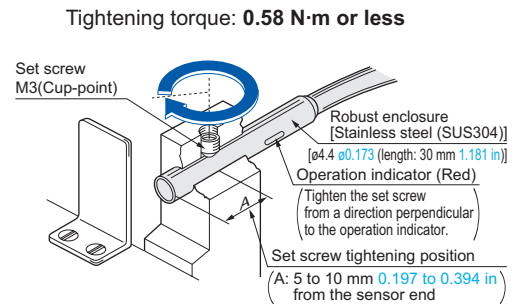
GX-3S is an amplifier built-in inductive proximity sensor having a diameter of just $\varnothing 3.8$ mm $\varnothing 0.150$ in.



Robust housing

GX-4S

The **GX-4S** uses a robust stainless steel enclosure. The tightening torque can be 0.58 N·m or less. (2 times compared with conventional models)

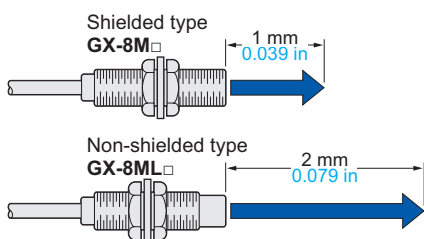


BASIC PERFORMANCE

Long sensing range

GX-8ML

The non-shielded type (**GX-8ML**) has twice the sensing range of the shielded type (**GX-8M**), although having the same size. Hence, it allows margin against sensing distance variations.

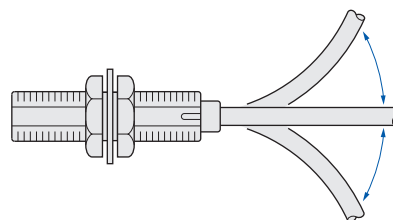


ENVIRONMENTAL RESISTANCE

Ten times greater bending durability (Compared with conventional models)

GX-□-R

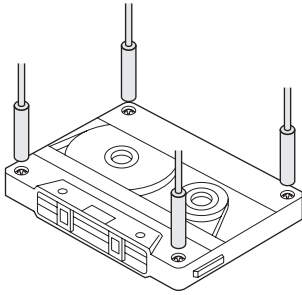
The bending durability of the cable to repeated bending has been increased tenfold by using special alloy cores for the cable.



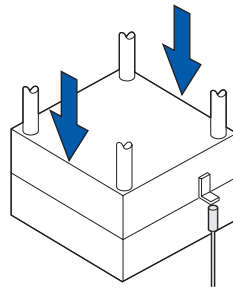
- Selection Guide
- Amplifier Built-in
- Amplifier-separated
- GX-F/H
- GXL
- GL
- GX-M
- GX-U/GX-FU/GX-N
- GX**

APPLICATIONS

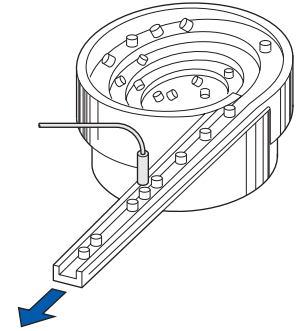
Sensing screws on cassette



Sensing the punch of a die



Counting parts



ORDER GUIDE

| Type | Appearance (mm in) | Sensing range (Note) | Model No. | Supply voltage | Output | Output operation |
|-------------------|-----------------------|--|----------------|---------------------|-------------------------------|------------------|
| Shielded type | | Maximum operation distance 0.8 mm 0.031 in (0 to 0.6 mm 0 to 0.024 in) Stable sensing range | GX-3S | 12 to 24 V DC ±10 % | NPN open-collector transistor | Normally open |
| | | | GX-3SB | | | Normally closed |
| | Robust enclosure type | 0.8 mm 0.031 in (0 to 0.6 mm 0 to 0.024 in) | GX-4S | | | Normally open |
| | | | GX-4SB | | | Normally closed |
| | | 1 mm 0.039 in (0 to 0.8 mm 0 to 0.031 in) | GX-5S | 10 to 30 V DC | | Normally open |
| | | | GX-5SB | 10 to 30 V DC | | Normally closed |
| Threaded type | | 0.8 mm 0.031 in (0 to 0.6 mm 0 to 0.024 in) | GX-5M | 12 to 24 V DC ±10 % | Normally open | |
| | | | GX-5MB | | Normally closed | |
| | | 1 mm 0.039 in (0 to 0.8 mm 0 to 0.031 in) | GX-8M | 10 to 30 V DC | Normally open | |
| | | | GX-8MB | | Normally closed | |
| Non-shielded type | | 2 mm 0.079 in (0 to 1.6 mm 0 to 0.063 in) | GX-8ML | | Normally open | |
| | | | GX-8MLB | | Normally closed | |

Note: The maximum operation distance stands for the maximum distance for which the sensor can detect the standard sensing object.
 The stable sensing range stands for the sensing range for which the sensor can stably detect the standard sensing object even if there is an ambient temperature drift and/or supply voltage fluctuation.

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