Panasonic

New **LS-500 Series**
Digital Laser Sensor

RoHS COMPLIANT

Laser Sensor with Compact Sensors Heads and an Available 4-20 mA Output!

Panasonic, a worldwide leader in Factory Automation Products, is pleased to introduce the **NEW LS-500 Series** digital laser sensors. The **LS-500 Series** is a Class 1 laser sensor that saves production time and money with speed and ease-of-use. It has a threshold tracking feature that allows the sensor to adjust its threshold to compensate for tough environments such as those with dust and dirt. In addition to its effectiveness in dirty settings, the **LS-500 Series** boasts one of the industry's fastest response times at 60 microseconds of detection time. This high precision laser sensor is engineered to be integrated with other Panasonic products such as the **FX-500 Series** fiber sensors, which minimizes wiring and diminishes cost. The **LS-500 Series** is in the top of its class among laser sensors in the high function, high application market. This small unit has dual outputs that can be independently configured for different threshold values. The device eliminates the need for a dedicated logic controller by performing AND, OR, and XOR logic operations. The **LS-500 Series** has a built-in memory that can store up to eight sets of amplifier settings. This memory function reduces downtime when changing the setup in a multi-model production environment. The **LS-500 Series** laser sensor improves operations and production time in any market.

Features

- 4 Small-Sized Sensor Head Configurations
- Analog Output, 4 to 20 mA (LS-501-C2 only)
- Connection to CC-Link, and RS-485* (Using SC-GU3)
- 8 Data Banks with Logic Functions
- RoHS Compliant

*EtherCAT and DeviceNet Support Coming Soon!

Benefits

- Precision Detection in a Small Footprint
- Can Be Used to Track Movement and Distance Gauging
- Can Be Integrated into Communication Networks
- Offers Multiple Application Recipes
- AND, OR, and XOR Logic Functionality Built-In
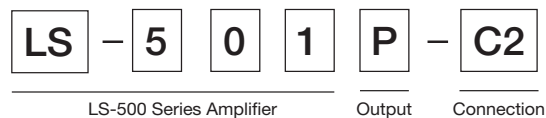
Industries

- Semiconductor
- Packaging
- Medical

Applications

- Wafer Detection and Mapping
- Label and Bottle Detection
- Pill and Tube Detection

Part Number Information

Sensor Amplifiers

| LS | – | 5 | 0 | 1 | P | – | C2 |

LS-500 Series Amplifier — Output — Connection Method

| Nil | 2 NPN |
| P | 2 PNP |

| Nil | Quick Connect |
| C2 | 2M Cable |

Sensor Heads

| LS | – | H | 101 | – | C5 |

LS-500 Series Heads — Type — Connection Method

101	Thrubeam - Cylindrical
102	Thrubeam - Square
201	Coaxial Reflective
201	Coaxial Retroreflective

| Nil | 2M Cable |
| C2 | 5M Cable |