

Laser Distance Sensor

| | | |
|---------|--|-----------------|
| Series | OWTG-4060-PE-S1 | OWTG-4100-PE-S1 |
| Picture |  | |

General data:

| | | |
|----------------------------|------------------------------|------------------------------|
| Measurement method | Time-of-flight measurement | Time-of-flight measurement |
| Light source | Laser | Laser |
| Wavelength | 650 nm | 650 nm |
| Laser class | 1 | 1 |
| Connection type | M12 connector, 4-pin | M12 connector, 4-pin |
| Interface | None | None |
| Analog output current | Yes | Yes |
| Analog output voltage | Yes | Yes |
| Teach-in | Button | Button |
| Beam type | Point | Point |
| Beam diameter | 6 - 6 mm | 6 - 6 mm |
| Power on indication | LED green | LED green |
| Switching status indicator | 2 x LED yellow | 2 x LED yellow |
| Display | 4-digit alphanumeric display | 4-digit alphanumeric display |
| Electronic | Integrated | Integrated |

Measurement data:

| | | |
|----------------------------------|-----------------|----------------|
| Measuring range | 300 - 6000 mm | 200 - 10000 mm |
| Accuracy | ± 28 - ± 165 mm | ± 14 - ± 70 mm |
| Measuring frequency in Hz (max.) | 33 | 50 |

Outputs:

| | | |
|----------------|-----------|-----------|
| Output circuit | Analog | Analog |
| Voltage output | 0 - 10 V | 0 - 10 V |
| Current output | 4 - 20 mA | 4 - 20 mA |

Power supply:

| | | |
|-----------------------------|--------------|--------------|
| Power supply V DC | 18 - 30 V DC | 18 - 30 V DC |
| Power consumption max. | 150 mA | 150 mA |
| Short circuit protection | Push | Push |
| Reverse polarity protection | Yes | Yes |

Physical characteristics:

| | | |
|------------------------|-----------------|-----------------|
| Housing material | Die-cast zinc | Die-cast zinc |
| Front (optics) | Glass | Glass |
| Ingress protection | IP67 | IP67 |
| Dimensions (W x H x D) | 42 x 59 x 52 mm | 42 x 59 x 52 mm |
| Weight | 280 g | 280 g |
| Construction type | Rectangular | Rectangular |

Environmental:

| | | |
|-----------------------------|--------------|--------------|
| Operating temperature range | -10 - +60 °C | -10 - +60 °C |
| Storage temperature range | -30 - +80 °C | -30 - +80 °C |
| Ambient light immunity | 100 klx | 100 klx |