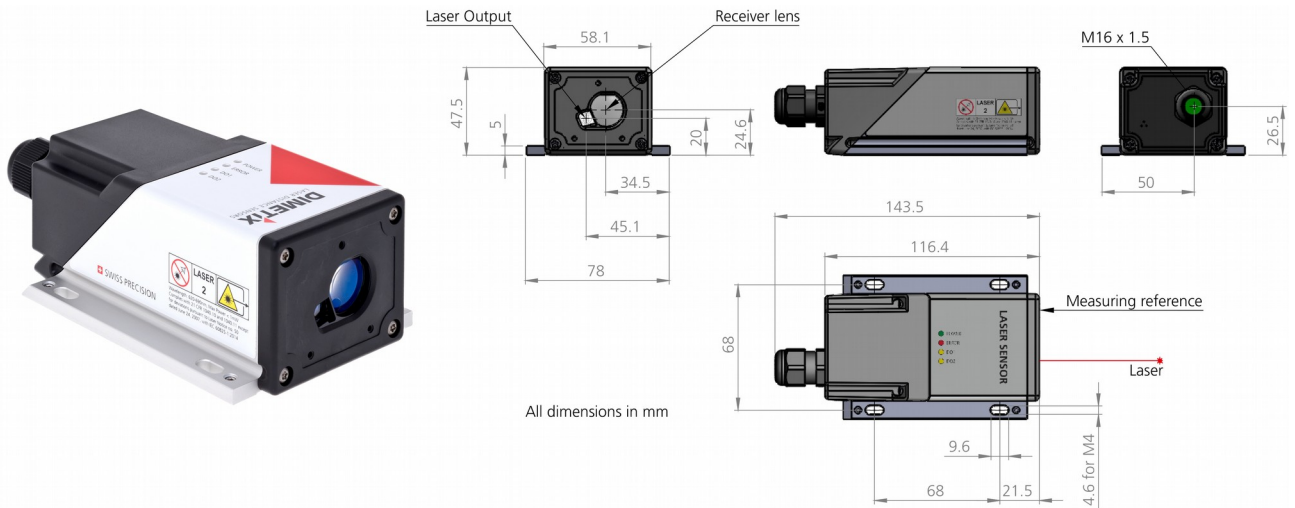


Laser Distance Sensors D-Series

Type DEN-10-500



Part No. 500637

SPECIFICATION

| | |
|--|----------------------------------|
| Typical accuracy @ $\pm 2\sigma$ (@ $\pm 1\sigma$) | ± 1 (± 0.5) mm |
| Typical repeatability @ $\pm 2\sigma$ (@ $\pm 1\sigma$) | ± 0.3 (± 0.15) mm |
| Measuring range on natural surfaces | 0.05...~100 m |
| Measuring range on reflective foil | ~0.5...500 m |
| Max. measuring rate | 100 Hz |
| Max. output rate | 100 Hz |
| Operating temperature | -10...+50°C |
| Degree of protection | IP65 |
| Power supply | 12...30 VDC (0.15A @ 24 VDC) |
| Laser red, visible (Laser Class 2, <1mW) | ✓ |
| Typical diameter of laser dot @ 10, 50, 100 m | 7 x 3 mm; 28 x 13 mm; 55 x 30 mm |
| Dimension (L x W x H) | 140 x 78 x 48 mm |
| Weight | 350 g |

INTERFACES

| | |
|--|-------------|
| Analog output, programmable | 0/4...20 mA |
| Max. error analog output | ± 0.1 % |
| Digital input, programmable | 1 |
| Digital output, programmable / error display (Type: NPN, PNP, Push-Pull) | 2 / 1 |
| Serial Interfaces: RS-232, RS-422 / RS-485, SSI | ✓ |
| USB, only for configuration | ✓ |
| Optional: PROFIBUS (external) / PROFINET / EtherNet/IP / EtherCAT | ✓ |

CONNECTION

| | |
|--------------------------|---|
| Internal screw terminals | ✓ |
|--------------------------|---|

Subject to change without notice. Further our General Terms and Conditions of Sale and Supply ("GTC") are valid.

