



LFS-A 100

Sensor specification



| Parameter | Value |
|---|-----------------------------------|
| Maximal Detection Range (typical human with reflectivity $\geq 30\%$). | Up to 100 m |
| Maximal Detection Range for a Low (10%) Reflective Object | Max. 55 m |
| Angular Resolution | 2 mR (0.115°) |
| Maximal Scanning Angle | 100° |
| Beam Inclination Angle | 0 \pm 0.5° |
| Adaptivity to Periodically Movement Objects (Trees, Bushes, etc.) | Yes |
| Scan Rate | 5 \div 6 Hz |
| Pulse Repetition Frequency (PRF) | 7 \div 8 kHz |
| Mounting Height | 0-30m |
| Output Interface | Dry contact / RS 485 |
| Laser Safety Class | Class 1 (eye safe) |
| Wavelength | 905nm |
| Operating Ambient Temperature | - 25°C \div + 55°C |
| Storage Temperature | - 35°C \div + 70°C |
| Supply Voltage (not include heater) | 12VDC \pm 10% @ 0.7A (8.5 Watt) |
| Installation position | Vertical / Horizontal |
| Enclosure rating | IP 67 |
| **Weight | 5 Kg |
| **Dimensions (W x D x H) | 260 x 250 x 150 mm |

** Not include cover and bracket