

Developed for industrial applications, they are used to avoid collisions, measure the level of liquids and solids, profile conveyor belts, detect proximity, position and monitor equipment, or even altimetry applications. Variation in material characteristics or difference in environmental conditions can be a contributing factor to a particular sensor not functioning properly.

LDS lasers are class I are low power lasers (< 1 mW), visible light are absolutely safe for the eyes and skin

Measurable objects: , surfaces of natural objects, metallic non-reflective, wood, plastic, coal,

Non-measurable: mirrors and transparent objects

Environmental Limitations Surfaces with very high direct sunlight

Resolution 0.1mm

Ripetibilita ±0.3mm（5m），±0.5mm（20m），±0.8mm（50m）

Response time 100ms

Laser Type 640nm red laser, Class 1

Tipi di misura Power on automatic measurement/command measurement

Consume < 1W

 Impedance ≤500Ω

Input voltage 6-32VDC

Communication mode 485,232

Working temperature -25℃--65℃

Dimensions 60mm x 61mm x 30mm 150g

IP IP68 Grade



Error value specification

Code Fault cause solution

03 The temperature is too low warming

07 Incident light intensity Reduced incident light influence

04 Temperature is too high hypothermia

08 Signal is too weak The reflector is not enough, please use the reflector

09 Signal is too strong Reduce the reflection of the object under test

15 Vibrate too fast Reduce the vibration of the measured object

18 Too close Increase measuring distance

19 Out of range Things move too fast Reduce measuring distance

Reduce the movement speed of the measured object

