



# LR-XH100(10M)

Separate Amplifier Model, Sensor Head, 100mm range, 10m Cable



\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

## Specifications

|                               |                      |                                                                                    |
|-------------------------------|----------------------|------------------------------------------------------------------------------------|
| Model                         |                      | LR-XH100(10M)                                                                      |
| Type                          |                      | Cable Length: 10 m 32.8'                                                           |
| Detecting Distance            |                      | 25.0 to 100.0 mm 0.98" to 3.94"                                                    |
| Standard Detectable Deviation |                      | 1.0 mm 0.04"                                                                       |
| Display Resolution            |                      | 0.1 mm 0.004"                                                                      |
| Spot Size                     |                      | Approx. 0.3 mm × 2 mm 0.012" × 0.08"<br>(at a detecting distance of 100 mm 3.94")  |
| Light Source                  | Type                 | Green laser (505 nm)                                                               |
|                               | Laser Class          | Class 1 laser product (IEC60825-1, FDA (CDRH), Part1040.10*1)                      |
| Environmental resistance      | Enclosure rating     | IP65/IP67 (IEC60529)                                                               |
|                               | Ambient light        | Incandescent lamp: 16,000 lux or less, Sunlight: 16000 lux or less                 |
|                               | Ambient temperature  | -10°C to +50°C 14°F to 122°F (no freezing)                                         |
|                               | Relative humidity    | 35 to 85% RH (no condensation)                                                     |
|                               | Vibration resistance | 10 to 500 Hz; Power Spectral Density: 0.816 G <sup>2</sup> /Hz for X, Y and Z axes |
|                               | Shock resistance     | 1000 m/s <sup>2</sup> (100G); 6 times each for X, Y, and Z axes                    |
| Material                      |                      | Case: SUS316L; Lens Cover: PSU; Gasket: FKM (lens cover), EVM (cable)              |
| Accessories                   |                      | Laser warning label, sensor head connector                                         |
| Weight                        |                      | approx. 250 g                                                                      |

\*1 Classification performed based on IEC60825-1 standards in accordance with FDA (CDRH) Laser Notice No. 56.

Dimensions

\* Download CAD file or product manual for larger image/text and more detail.

LR-XH50\_XH100\_XH250

