

ADAPTIVE-FREQUENCY E SERIES

# LR1200E4

LASER CLASS

**CLASS 1**

IEC 60825-1

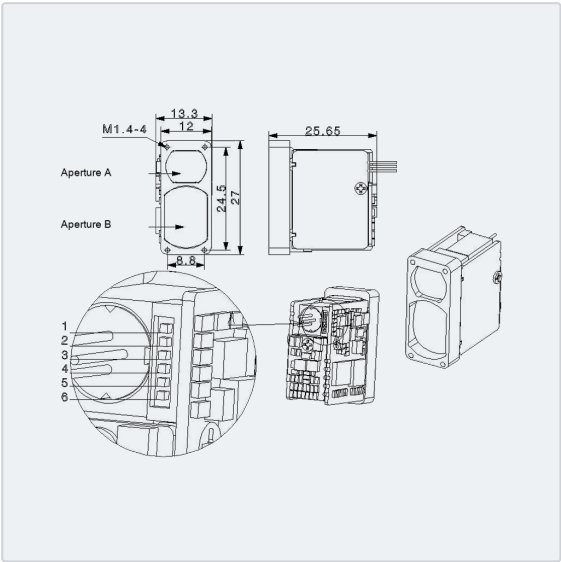
A 905 nm laser ranging module with a 4–1,200 m source-table measuring range and a small-spot 4 mrad beam — the E4 variant of the adaptive-frequency series, in a 25.65 × 14.2 × 26.2 mm body.

|           |            |            |           |
|-----------|------------|------------|-----------|
| MAX RANGE | ACCURACY   | WEIGHT     | INTERFACE |
| 4–1,200 m | On request | On request | UART-TTL  |

TECHNICAL SPECIFICATIONS

FULL SHEET

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| Laser wavelength      | 905 ± 5 nm                                           |
| Measuring range       | 4–1,200 m (target and ambient conditions not stated) |
| Laser beam divergence | < 4 mrad                                             |
| Interface             | UART-TTL (customizable)                              |
| Supply voltage        | 3.3–5 V                                              |
| Dimensions            | 25.65 × 14.2 × 26.2 mm                               |
| Ranging accuracy      | On request                                           |
| Measurement frequency | On request                                           |
| Weight                | On request                                           |
| Operating temperature | On request                                           |
| Protection rating     | On request                                           |



## APPLICATION FIT

- INDUSTRIAL MEASUREMENT
- ROBOTICS
- OUTDOOR POSITIONING

Standard 8-byte UART frame (0x55 0xAA header, function code, 4 data bytes, checksum); distance returned ×10 for a one-decimal reading. Full integration manual ships with samples.