

ADAPTIVE-FREQUENCY E SERIES

LR1500E4

LASER CLASS

CLASS 1

IEC 60825-1

A 905 nm laser ranging module with a 4–1,500 m source-table measuring range in a compact 25.65 × 14.2 × 26.2 mm rectangular body — the E4 variant of the adaptive-frequency series over UART-TTL.

MAX RANGE	ACCURACY	WEIGHT	INTERFACE
4–1,500 m	On request	On request	UART-TTL

TECHNICAL SPECIFICATIONS

FULL SHEET

Laser wavelength	905 ± 5 nm
Measuring range	4–1,500 m (target and ambient conditions not stated)
Laser beam divergence	< 6 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

- OUTDOOR POSITIONING
- ROBOTICS
- INDUSTRIAL MEASUREMENT

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.