

LR1000E4 · 905 NM

ADAPTIVE-FREQUENCY E SERIES

LR1000E4

LASER CLASS

CLASS 1

IEC 60825-1

A compact 905 nm laser ranging module with a 4–1,000 m source-table measuring range — the E4 variant of the adaptive-frequency series, over a UART-TTL interface for civilian integration evaluation.

MAX RANGE	ACCURACY	WEIGHT	INTERFACE
4–1,000 m	±1 m (≤400 m)	On request	UART-TTL

TECHNICAL SPECIFICATIONS

FULL SHEET

Laser wavelength	905 ± 5 nm
Measuring range	4–1,000 m (target and ambient conditions not stated)
Ranging accuracy	±1 m (≤400 m) · ±1 m + D×0.1% (>400 m)
Interface	UART-TTL (customizable)
Supply voltage	3.3–5 V
Measurement frequency	On request
Dimensions	On request
Weight	On request
Operating temperature	On request
Protection rating	On request



APPLICATION FIT

- ROBOTICS
- INDUSTRIAL MEASUREMENT
- 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.