

ADAPTIVE-FREQUENCY E SERIES

LR2000E4

LASER CLASS

CLASS 1

IEC 60825-1

The extended-range E4 variant: a 905 nm laser ranging module reaching a 4–2,000 m source-table range at 2–10 Hz adaptive frequency over UART-TTL, for demanding industrial and outdoor systems.

MAX RANGE	ACCURACY	WEIGHT	INTERFACE
4–2,000 m	±1 m (≤400 m)	On request	UART-TTL

TECHNICAL SPECIFICATIONS

FULL SHEET

Laser wavelength	905 ± 5 nm
Ranging range	4–2,000 m (target and ambient conditions not stated)
Ranging accuracy	±1 m (≤400 m) · D×0.4% (400–2,000 m)
Ranging frequency	2–10 Hz adaptive
Interface	UART-TTL (customizable)
Supply voltage	3.3–5 V
Dimensions	On request
Weight	On request
Operating temperature	On request
Protection rating	On request



APPLICATION FIT

- LONG-RANGE INDUSTRIAL
- OUTDOOR SYSTEMS
- SURVEYING

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.