ERDI LRF100H

Component datasheet · ERDI TECH LTD · laser rangefinder modules and eye-safe laser sources

Model	**LRF100H**
Family	905nm
Wavelength	—
Measuring range (with the condition it was measured under)	0.05-100 m (90% reflectivity); 0.05-30 m (10% reflectivity) — The two source values remain bound to their stated target reflectivity. Measur
Accuracy / resolution	±10 cm (<10 m); 1% (≥10 m) Repeatability ±5 cm (<10 m); ±10 cm at 100 m Ambient-light immunity 100 klx
Update rate	—
Interface	UART, IIC
Supply	9-36 V DC Average power consumption 0.7 W
Power	—
Mass	20 ± 2 g
Dimensions	33 × 34 × 18 mm
Operating temperature	-20°C to +60°C Keep the 90% and 10% target-reflectivity range ratings separate. No enclosure protection rating is specified.
Laser class	—
Pulse energy	—

Source note. Figures pending confirmation against the manufacturer's current specification sheet.

How to read the range figure. A range number without its target size, reflectance and visibility is not comparable to anything. The figure above carries the manufacturer's own condition, quoted verbatim. If you need a different target or a different visibility, ask — the usable range changes, and we would rather state both than let you discover it in the field.

What is not in this sheet. Pinout, command frames and the protocol document are supplied with the units, matched to your firmware revision. We do not publish them here because frames differ between revisions and a generic frame does nothing on your bench.