

# Product Data Sheet

## Leica Rod Eye 160 Digital Receiver

Art. No. 789924



The Leica Rod Eye 160 Digital is a professional laser receiver designed for contractors who require maximum accuracy, extended working range and precise grade measurements on site. Featuring a large 120 mm detection window and an integrated digital height readout, the Rod Eye 160 Digital enables users to quickly locate the laser beam and accurately determine offsets from grade without repeatedly repositioning the receiver.

Ideal for construction, civil engineering, groundworks, concrete placement and site levelling applications, the Rod Eye 160 Digital combines Leica's renowned reliability with advanced digital measurement capabilities. Anti-strobe technology ensures dependable operation in challenging environments, while the rugged IP67-rated housing provides protection against dust, water and harsh site conditions.



### Features:

- Digital height readout for fast and accurate grade checking
- Large 120 mm detection window for rapid beam acquisition
- Extended working diameter of up to 1,350 m (laser dependent)
- Five selectable accuracy settings for maximum flexibility - Very Fine ( $\pm 0.5$  mm), Fine ( $\pm 1$  mm), Medium ( $\pm 2$  mm), Coarse ( $\pm 3$  mm), Very Coarse ( $\pm 5$  mm)
- Digital offset display with 90 mm readout range
- Multiple display units including mm, cm, inches, fractions and feet
- Anti-strobe technology minimises interference from flashing site lights
- Clear 15-channel arrow display for precise beam guidance
- Audible indication with High, Medium, Low and Off settings
- Rugged IP67-rated dust and water protection
- Automatic shut-off after 10 minutes to extend battery life
- Long operating time of 50+ hours from two AA batteries
- Compatible with Leica Rugby rotating lasers and most construction lasers

### Typical Applications:

- Site levelling and grade verification
- Concrete formwork and slab preparation
- Excavation and earthworks
- Drainage and utility installation
- Foundation and footing construction
- Machine control support and grade checking
- Civil engineering and infrastructure projects
- General construction levelling tasks



# Technical Data

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| Working Diameter*                | Up to 1,350 m                                   |
| Detection Window                 | 120 mm                                          |
| Digital Readout Range            | 90 mm                                           |
| Digital Readout Units            | mm, cm, in, frac, ft                            |
| Detection Spectrum               | 600 nm – 800 nm                                 |
| Display                          | 15 - channel arrow display with digital readout |
| Detection Accuracy – Very Fine   | ±0.5 mm                                         |
| Detection Accuracy – Fine        | ±1 mm                                           |
| Detection Accuracy – Medium      | ±2 mm                                           |
| Detection Accuracy – Coarse      | ±3 mm                                           |
| Detection Accuracy – Very Coarse | ±5 mm                                           |
| Audio Indication                 | High / Medium / Low / Off                       |
| Anti-Strobe Technology           | Yes                                             |
| Automatic Shut-Off               | 10 minutes                                      |
| Protection Rating                | IP67                                            |
| Battery Type                     | 2 × AA batteries                                |
| Battery Life                     | 50+ hours                                       |
| Dimensions (H × W × D)           | 173 × 76 × 29 mm                                |
| Operating Temperature            | -20°C to +50°C                                  |
| Smart Targeting / Smart Lock     | No                                              |

\*Working diameter depends on the rotary laser being used.

## Field of Scope:

