

# ROD-EYE™ Family of Sensors



*The Professional's Choice for  
Ruggedness, Accuracy, and Range*

**Leica**  
Geosystems

# ROD-EYE™

## Construction-tough sensors are accurate, rugged, and versatile

The ROD-EYE™ Family of Sensors offers solutions for any general construction and interior application, and are ideally matched to work with the RUGBY™ Family of Lasers. They are construction-tough, designed to work in harsh, loud environments, and provide precise and repeatable accuracy. The ROD-EYE sensors emit three selectable beeper sounds (rapid, slow, and continuous, when high, low, and on-grade, respectively) to meet your job site conditions.

The **ROD-EYE Pro** is the top of the line sensor for general construction applications, with a working diameter of 2,500 ft (750 m). Its liquid crystal display (LCD) on both the front and rear allow for easy visual indication of the reference plane of visible or invisible laser light. The ROD-EYE Pro has extremely accurate sensing bands, and even features industrial deadband settings for special applications. The ROD-EYE Pro's bracket comes with a reversible mounting jaw and a vise-like grip to suit all shapes of rods.

**All ROD-EYE Pro's come with a 36 month warranty – INDUSTRY'S BEST.**

The **ROD-EYE Classic** is a mid-range sensor for general construction applications. Like the Pro, it has an LCD on both the front and rear for fast and easy visual reference, and has a working diameter of 2,500 ft (750 m). The Rod-Eye Classic is extremely simple and easy to use, and features a 24-month warranty.

The **ROD-EYE Mini** is also for general construction applications. It features an LCD indication on the front panel, and has a working diameter of 1,000 ft (300 m).



ROD-EYE Pro, featured with the rugged RUGBY 100LR Laser



ROD-EYE Classic



ROD-EYE Mini

## Specifications

**BEST!**

**BETTER**

**GOOD**

|                          | ROD-EYE Pro   | ROD-EYE Classic  | ROD-EYE Mini                              |
|--------------------------|---|--|---|
| Working Diameter         | 6 ft to 2500 ft (2 m to 750 m)*   | 6 ft to 2500 ft (2 m to 750 m)*  | 6 ft to 1000 ft (2 m to 300 m)*           |
| Detection Height         | 2 inches (50 mm)  | 2 inches (50 mm)   | 1.5 inches (38 mm)                        |
| Detection Accuracy       | <i>Standard Accuracy Bandwidth</i><br>Super fine ± 0.020 in (0.50 mm)<br>Fine ± 0.040 in (1 mm)<br>Medium ± 0.080 in (2 mm)<br>Course ± 0.120 in (3 mm)<br><br><i>Industrial Accuracy Bandwidth</i><br>Zero bandwidth ± 0.00 in (0.00 mm)<br>Fine Industrial ± 0.0025 in (0.064 mm)<br>Course Industrial ± 0.0050 in (0.127 mm) | <i>Standard Accuracy Bandwidth</i><br>Fine ± 0.040 in (1 mm)<br>Course ± 0.120 in (3 mm) | ± 0.080 in (2 mm)                         |
| Reception Angle          | ± 45°   | ± 45°  | ± 45°                                     |
| Display                  | LCD front and rear  | LCD front and rear   | LCD                                       |
| Grade Display            | 9 channel grade display   | 5 channel grade display  | 3 channel grade display                   |
| Beeper Volumes           | High 110 dBA<br>Low 90 dBA<br>Off   | High 110 dBA<br>Low 90 dBA<br>Off  | High 100+ dBA<br>Low 65 dBA               |
| Battery Size             | 2 AA  | 2 AA   | 2 AA                                      |
| Battery Life             | 70+ hours**   | 70+ hours**  | 200+ hours**                              |
| Low Battery Indicator    | Yes   | Yes  | Yes                                       |
| Rod Master               | Yes – indicates when the RUGBY's batteries are low  | No   | No  |
| Automatic Shut Off       | 30 minutes, 24 hours, or none (optional)  | 30 minutes   | 30 minutes                                |
| Dimensions               | 6.4 x 2.9 x 1.2 inches (163 x 74 x 30 mm)   | 6.4 x 2.9 x 1.2 inches (163 x 74 x 30 mm)  | 4.5 x 2.1 x 1.3 inches (114 x 53 x 32 mm) |
| Offset notch             | 2 inches (50 mm)  | 2 inches (50 mm)   | 1 inch (25 mm)                            |
| Operating Temperature    | -20°C to 60°C (-4° F to 140°F)  | -20°C to 60°C (-4° F to 140°F)   | -20°C to 60°C (-4° F to 140°F)            |
| Memory, Last Beam Strike | Yes   | No   | No  |
| Rod-Eye Clamp            | Yes, with reversible jaw for oval rods  | Yes  | Yes                                       |
| <b>Warranty</b>          | <b>36 months</b>  | <b>24 months</b>   | <b>24 months</b>                          |

\* Transmitter Dependent

\*\* Battery life is dependant upon environmental conditions

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