

3PR, 3PG, 180LR, 180LG Laser Levels LDR, LDG Laser Detectors *Safety Information*



3-Year Limited Warranty.
See the Users Manual for the full warranty.

Go to Fluke's website at www.fluke.com to read the User Manual and find more information about your Product.

To register your product, visit <http://register.fluke.com>.

To view, print, or download the latest manual supplement, visit <http://us.fluke.com/usen/support/manuals>.

A **Warning** identifies conditions and procedures that are dangerous to the user.

Warnings

To prevent eye damage and personal injury:

- **Read all safety information before you use the Product.**
- **Carefully read all instructions.**
- **Use the Product only as specified, or the protection supplied by the Product can be compromised.**
- **Do not use the Product if it operates incorrectly.**

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Specifications are subject to change without notice.
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Ленинградский проспект дом 37,
корпус 9, подъезд 4, 1 этаж

- Use the Product only as specified or hazardous laser radiation exposure can occur.
- Do not look into the laser. Do not point laser directly at persons or animals or indirectly off reflective surfaces.
- Do not look directly into the laser with optical tools (for example, binoculars, telescopes, microscopes). Optical tools can focus the laser and be dangerous to the eye.
- Remove the batteries if the Product is not used for an extended period of time, or if stored in temperatures above 50 °C. If the batteries are not removed, battery leakage can damage the Product.

Symbols

Symbol	Description
	WARNING. RISK OF DANGER.
	Consult user documentation.
	WARNING. LASER RADIATION. Risk of eye damage.
	Battery or battery compartment.
	Certified by CSA Group to North American safety standards.
	Conforms to European Union directives.
	Conforms to relevant Australian Safety and EMC standards.
	This product complies with the WEEE Directive marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste.
	Indicates a Class 3R laser. AVOID DIRECT EYE EXPOSURE The following text may appear with the symbol on the product label: "IEC/EN 60825-1. Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice 50, dated June 24, 2007." In addition, the following pattern on the label will indicate wavelength and optical power: $\lambda = xxxnm, x.xxmW$.

Specifications

	3PR, 3PG	180LR, 180LG	LDR, LDG
Light Source	Semiconductor laser diode		NA
Leveling Range	≤6 °		NA
Leveling	Automatic		
Working Range	≤30 m	≤60 m	≥6 m to ≤60 m
Detection Height	NA		≤50 mm
Accuracy	≤6 mm @ 30 m	≤3 mm @ 9 m	Fine: 0.75 mm Medium: 1.75 mm
Batteries	3 x AA Alkaline IEC LR6		1 x 9 V Alkaline IEC LR61
Battery Life			
Red	≥30 hrs, continuous use	≥35 hrs, continuous use with single beam	≥30 hrs, continuous use
Green	10 hrs to 12 hrs, continuous use	2 hrs to 6 hrs, continuous use with single beam	
Dimensions H x W x L	140 mm x 102 mm x 57 mm	93 mm x 61 mm x 93 mm	94 mm x 94 mm x 42 mm
Weight (with batteries)	0.52 kg	0.50 kg	0.20 kg
Temperature			
Operating	-18 °C to +50 °C		
Storage	-40 °C to +70 °C With batteries: -20 °C to +50 °C		
Relative Humidity	0 % to 90 % (0 °C to 35 °C) 0 % to 75 % (35 °C to 40 °C) 0 % to 45 % (40 °C to 50 °C)		
Altitude			
Operating	2000 m		
Storage	12 000 m		

3PR, 3PG	180LR, 180LG	LDR, LDG
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Safety		
General	IEC 61010-1: Pollution Degree 2	
Laser	IEC 60825-1: Class 3R	NA
Max output power	<5 mW	
Wavelength	Red: 635 nm Green: 510 nm	

Electromagnetic Compatibility (EMC)	
International	IEC 61326-1: Industrial Electromagnetic Environment CISPR 11: Group 1, Class A
	<p><i>Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.</i></p> <p><i>Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.</i></p> <p><i>Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.</i></p>
Korea (KCC)	Class A Equipment (Industrial Broadcasting & Communication Equipment)
	<p><i>Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.</i></p>
USA (FCC)	47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.