

# Rotating Laser

# 66R

## The leader in efficiency

The class leader in economical rotating lasers, the IMEX 66R incorporates the robust casing and technology of its big brothers in an efficient simple-to-use package. Featuring a huge 400m dia range, rubber sheath protection and heavy duty lighthouse cover for superior shockproof and weatherproofing the 66R is the leader in value for everyday levelling.

### Features

- Self - Levelling
- 400m diameter range
- Latest technology laser diode
- Out of level warning light
- 30 second set-up time. Place on tripod, press one button and beam begins.
- Fully enclosed laser housing for extra dust and splash proofing

### Applications

Concreting  
Landscaping  
General building  
Earthmoving

### Kit Inclusions

- Receiver and bracket
- Batteries, rechargeable & alkaline
- Hard carry case



Shock proof diode cover

Enclosed diode

Heavy duty rubber sheathing

Ergonomic carry handle

One button function

Out of level warning



Specifications IMEX 66R 012-1066R	
Selflevelling range	+/- 5°
Accuracy	2.0mm @ 30m
Working distance	Dia 400m with included detector
Rotation speed	600rpm
Light source	Red laser diode 635nm
Waterproof/shockproof	IP 66
Power	4 x AA Alkaline batteries
Detector	Single side, course and fine setting, LR12
Working time - continuous use	50 hours with Alkaline batteries
Weight	2.2kg

SECTION 2  
Laser Levelling

# Rotating Laser Levels

## The Class Leaders

The Imex rotating laser level range has been specified by our construction trained team, designed by industry professionals and proven in all conditions to perform a vast range of levelling tasks in an efficient and accurate manner.

With self-levelling, grade slope function, scan mode, horizontal and vertical, remote controller and rechargeable Ni-mh batteries the Imex range represents excellent value with versatile capabilities for a full range of construction functions.



Alignment  
88 models



Interior set-out 88 models



Suspended ceilings



General concreting



General civil and construction



Latest technology laser

Enclosed prism

Metal Lighthouse

High visibility casing

Vertical Stand

Scan direction

Infinite Grade function setting to 5°

Grade Slope control

Magnetic head  
Rechargeable battery  
Reinforced base  
Plumb spot

Double face laser detector

Course and fine setting

Heavy duty rubber sheath

Highly audible buzzer

Remote control unit - Dual control



# 77R, 88R, 88G Rotating Laser Levels

Combined with this is the highly visible heavy duty and robust, water and dust-proof case, with a fully enclosed laser diode for years of trouble-free use.

A sensor based self-levelling system utilizing a level sensor and stepping motor gives excellent levelling ability and enhanced accuracy.

The simplified design elements and robust componentry also mean reduced calibration and service requirements.

All backed by Imex warranty, service and innovative approach.



## Rotating Laser Levels Features – All Models

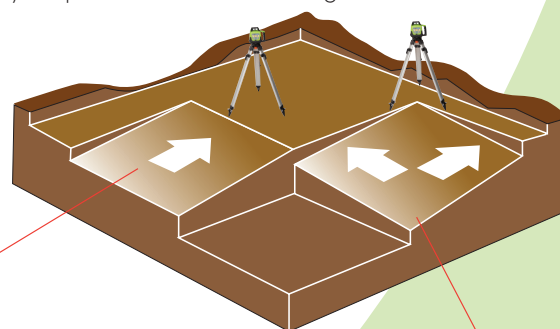
- **Self-levelling** – fast and accurate set-up time. Re-sets if unit is bumped or moved
- **500 metre dia Range** – With standard detector provided.
- **Grade Slope to 5° (8.8%)** – Manual grade setting for slopes. Ideal for pipe layout or concrete slab falls.
- **Accuracy** – +/- 1.5mm in 30 metres for excellent results every time.
- **Remote Control Panel** – allows grade or other functions to be carried out up to 20 m away from the instrument, for true one-man operation and greater efficiency.
- **Hi-Visibility Case** – unique Imex feature, easy to see on the busiest construction site, minimises the risk of the unit being bumped, increasing safety and accuracy.
- **Re-chargeable Battery** – Ni-mh – approximately 20 hours working time between charging. Alkaline battery standard option - 60 hrs use. Comes with charger and also a car charger option.

## Features at a glance

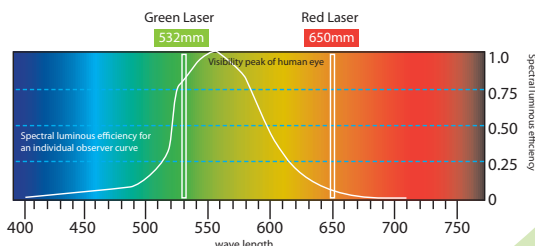
- 1.5mm accuracy @ 30m
- IP66 Shockproof and waterproof
- Heavy duty Hi-Viz casing
- Enclosed prism for greater accuracy
- Metal lighthouse cover

## Extra 88R/88G Features

- **Horizontal/Vertical** – Dual function, instrument works in horizontal plane or vertical plane when turned on its side. Invaluable for set-out, alignment, point transfer or interior set-outs.
- **Scan Mode** – Allows for part beam rotation in selected working environments, i.e. on interior walls, busy work-sites where other laser interference may be present. Various scan lengths and rotation placement.
- **Dual Grade** – Grade slope to 5° (8.8%) in two directions, X and Y axis Simultaneously for true grade control.
- **Plumb Spot** – Top and bottom plumb spot beam to assist in set ups over a point.



Alkaline battery pack



The **88G** laser comes with a new green beam laser diode. The human eye responds many times better to green than red, subsequently the laser diodes use less power for better performance, run cooler are safer and perform better in both exterior and interior. Potential eye damage is minimized and the laser line is more accurate and precise.



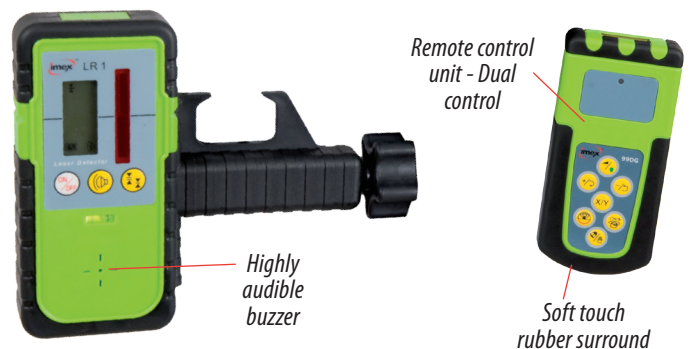
# Rotating Auto Gradient Laser

## The Ultimate Contractors Laser

For the ultimate in accuracy and versatility, the new IMEX 99DG offers everything that the contractor and tradesman needs in a rotating laser.

The auto dial in grade, allows for a % or slope to be dialled in using the simple remote keypad for fast setup and total job control. Combined with this is the rugged construction and high-visibility casing giving extra water and dust proofing for all site conditions. A fully enclosed laser diode with a full 600m diameter range makes the 99DG the perfect all-rounder for all construction tasks.

It can be easily combined with a machine control receiver for use with dozers, scrapers, bobcats or graders.



# 99DG

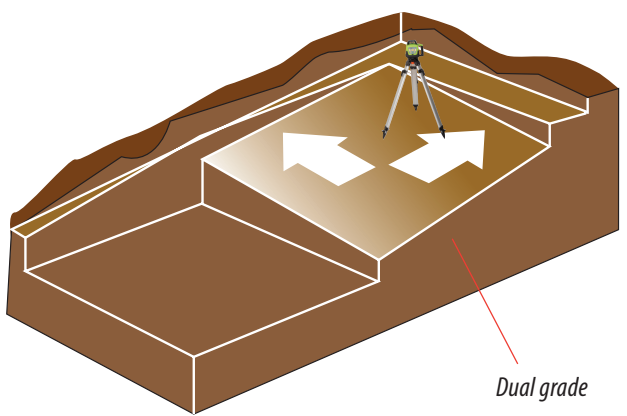
## Rotating Auto Gradient Laser

### Rotating Laser Levels Features

- Selflevelling – fast and accurate set-up time. Re-sets if unit is bumped or moved
- 600 metre dia Range – Long distance range with standard detector provided.
- Grade Slope to 10% – Auto dial in grade setting for slopes in x and y directions simultaneously for true grade control. Ideal for pipe layout or concrete slab falls or earthworks.
- Accuracy – +/- 1.5mm in 30 metres for excellent results every time.
- Remote Control Panel – allows grade or other functions to be carried out up to 20m away from the instrument, for true one-man operation and greater efficiency.
- Hi-Visibility Case – unique Imex feature, easy to see on the busiest construction site, minimises the risk of the unit being bumped, increasing safety and accuracy.
- Re-chargeable Battery – Ni-mh – approximately 20 hours working time between charging. Spare Alkaline battery pack for 60hrs use.
- Plumb Spot – Top and bottom plumb spot beam to assist in set ups over a point.
- Horizontal/Vertical – Dual function, instrument works in horizontal plane or vertical plane when turned on its side.
- Invaluable for set-out, alignment, point transfer or interior set-outs.
- Scan Mode – Allows for part beam rotation in selected working environments, i.e. on interior walls, busy work-sites where other laser interference may be present.

**Kit inclusions**

Laser level 99DG  
 Laser detector and bracket  
 Remote control unit  
 Battery charger  
 Alkaline battery pack  
 Hard carry case



# Rotating Laser Series Specifications

Model	77R Red Beam	Horizontal/Vertical	Horizontal only
Self-levelling Range	+/-5°	Water proof/Shockproof	IP66
Accuracy	1.5mm @ 30m	Power	DC 4.8-6v (Ni-mh rechargeable)/alkaline option
Working Distance	Dia 500m with included detector	Working time between charge	approx 20 hours approx 60 hours alkaline
Rotation Speeds	0, 60, 120, 300, 600 rpm	Low Battery Light	Yes
Scan Mode	NO	Battery Charger	240V
Grade Slope	+/-5° (Y axis only) 8.8%	Working Temperature	-20°C - +50°C (-40°C - +70°C storage)
Plumb Spot	No	Detector	Double sided operation fine & course setting 9v battery - 45mm range
Light Source	Red laser diode, 635nm Class II	Unit Weight	2.2kgs
Remote Control	YES - Working range approx 20m, 2-AAA	Set Inclusions	Laser unit, detector and bracket Remote, charger, Hard carry case, Alkaline battery pack



**77R - Red Beam Horizontal**  
012-1077R

**2YR**  
WARRANTY

Model	88R Red Beam/88G Green Beam	Horizontal/Vertical	YES
Self-levelling Range	+/-5°	Water proof/Shockproof	IP66
Accuracy	1.5mm @ 30m	Power	DC 4.8-6v (Ni-mh rechargeable)/alkaline option
Working Distance	Dia 500m with included detector	Working time between charge	approx 20 hours approx 60 hours alkaline
Rotation Speeds	0, 60, 120, 300, 600 rpm	Low Battery Light	Yes
Scan Mode	YES, 0°, 10°, 45°, 90°, 180°	Battery Charger	240V
Grade Slope	+/-5° Dual grade (X or Y axis) 8.8%	Working Temperature	-20°C - +50°C (-40°C - +70°C storage) 0° - 40° 88G
Plumb Spot	YES -accuracy +/- 1mm @ 1.5m	Detector	Double sided operation fine & course setting 9v battery - 45mm range
Light Source	Red laser diode, 635nm/88R Green laser diode 532nm 88G	Unit Weight	2.2kgs
Remote Control	YES - Working range approx 20m, 2-AAA	Set Inclusions	Laser unit, detector and bracket Remote, charger, Hard carry case, Alkaline battery pack

**BEST  
SELLER!**



**88R/88G - Red Beam/Green  
Beam Horizontal/Vertical**  
012-1088R 012-1088G

**2YR**  
WARRANTY

Model	99DG Red Beam	Horizontal/Vertical	YES
Self-levelling Range	+/-5°	Water proof/Shockproof	IP66
Accuracy	1.5mm @ 30m	Power	DC 4.8-6v (Ni-mh rechargeable) plus alkaline pack
Working Distance	Dia 600m with included detector	Working time between charge	approx 20 hours Alkaline - 60 hours (approx)
Rotation Speeds	0, 60, 120, 300, 600 rpm	Low Battery Light	Yes
Scan Mode	YES, 0°, 10°, 45°, 90°, 180°	Battery Charger	240V
Grade Slope	+/-10% Auto Dial In Dual grade (X or Y axis)	Working Temperature	-20°C - +50°C (-40°C - +70°C storage)
Plumb Spot	YES -accuracy +/- 1mm @ 1.5m	Detector	Double sided operation fine & course setting 9v battery Heavy Duty
Light Source	Red laser diode, 635nm Class II	Unit Weight	2.8kgs
Remote Control	YES - Working range approx 20m, 2-AAA	Set Inclusions	Laser unit, detector and bracket Remote, charger, Hard carry case, Alkaline battery pack



**99DG - Red Beam  
Horizontal/Vertical**  
012-1099DG

**2YR**  
WARRANTY

QA INSPECTED  
BY: [Signature] DATE: 09/11  
NEXT CAL DUE: [Signature]  
INSTRUMENT #: 0408

## Standard Set

- Laser Level
- Laser detector and bracket
- Remote control unit
- Battery charger
- Instructions
- Hard carry case
- Alkaline battery pack

## Accessories

- Wall bracket mount
- Laser Glasses
- Car Charger
- Target Plate
- Tripods and Staffs
- Machine Control Receiver

## QA Stamp

All IMEX instruments are control - checked and calibrated prior to despatch ensuring proper accuracy.