

IMEX 77R ROTATING LASER LEVEL

A lot of builders I speak to are quite intimidated by the thought of using a rotating laser level.

However, after using a laser level on a number of jobs over the years I am well aware of just how useful and accurate a laser level can be. The most frequent job that usually requires a laser level is the classic concrete driveway slope. The Imex 77R is perfect for jobs like this with its easy-to-use interface and grade slope function.

Within the package I received for testing was the main laser unit, receiver, remote, charger, alkaline pack, tripod and of course, the staff. The main laser unit itself is a high-visibility green, colour coated in a rubber sheath for extra protection making it shock and water proof for the rainy days. It has an enclosed prism for greater accuracy and its user friendly keypad has a clever manual grade setting to five degrees. Everything about this laser has been based around quality and accuracy. I particularly like the self levelling function. This enables you to set it up quickly onsite and if you are a clumsy worker like me and you bump into the unit, the self levelling system resets automatically. The actual accuracy of the laser is +/1.5 mm in 30m and you can operate this yourself using the remote control. This ease of use really does make it simple to use on your own. I should know, because that's how I used it!

TOOL: IMEX 77R ROTATING LASER LEVEL

REVIEWER: BILL



ARTICLE CRITERIA	BUILDING HAND TOOLS Operator Comments Report	STAR RATING
BALANCE	Had no problems with balance thanks to the tripod	★★★★★
DESIGN	Like the bright, waterproof and dustproof design, could come in handy on the more rugged worksite	★★★★★
FEATURES	Remote control, super accurate 1.5 accuracy at 30m. auto reset, manual grade setting for slopes	★★★★★
SPEEDS	Five laser spin speed settings from 0-600 rpm	★★★★★
BATTERY RUN TIME	20 hours with rechargeable and 60 with standard alkaline	★★★★★
TORQUE	Red laser diode, 635nm	★★★★★
RECHARGE TIME	unknown	
VIBRATION	N/A	
EASE OF OPERATION	Easy to use, self levelling and the interface are good if you know about lasers. If not you would pick it up quickly	★★★★★
PRICE	About \$1300. This sort of equipment is always going to be expensive	★★★
ACCESSORIES	Rugged green case, charger, laser glasses, batteries, remote control, receiver and bracket	★★★★★
OVERALL LIKES	So easy to use, perfect for the larger jobs and the small jobs. Liked the self levelling feature	
OVERALL DISLIKES	There is no vertical beam, quite bulky but i suppose there is a lot of technology to fit inside	
OVERALL STAR RATING		★★★★★

IMEX 77R ROTATING LASER LEVEL

The Imex 77R is part of a new range of laser levels from International Measuring Equipment. This range represents the latest in shockproof and waterproof laser levelling equipment technology.

Housed in a robust rubber it is protected from impacts and completely sealed and insulated from dust and water. The bright green colour means it is easy to see, making it less likely to be bumped or knocked over. The laser housing is guarded by a shield like cover and glass prism.

It features an auto self-levelling red laser beam and double sided receiver with a working radius of 250m - accurate to within 1.5mm at 30m. This model only rotates horizontally but does emit a plumb laser beam top and bottom - accurate to within 1mm at 1.5m.

It comes with a remote control, which operates to a distance of about 20m and is handy when used while setting up the manual grade function for sloping driveways, concrete slabs with fall, or anything with a slope of up to five. This function is accurate to 2.2mm at 30m.

The 77R has the option of being powered by rechargeable or standard alkaline batteries, the run time on the rechargeables being 20 hours. A low battery warning light is emitted for the last four hours of operation.

Coming in a solid padded carry case with receiver, remote, charger, alkaline battery pack and main laser unit, all in all this is a sturdy and accurate laser. It is simple to set up and use, and it's a great laser level for carrying out the basic levelling tasks. **BC**

TOOL: **IMEX 77R** ROTATING LASER LEVEL

REVIEWER: **STEW**

ARTICLE CRITERIA	BUILDING HAND TOOLS Operator Comments Report	STAR RATING
BALANCE	NA	
DESIGN	Waterproof, dustproof, robust rubber housing, fully enclosed self levelling red laser diode with plumb spot top and bottom, rechargeable battery, heavy-duty padded carry case, double sided laser detector and bracket	★★★★★
FEATURES	500m range accurate to within 2mm at 10m, auto reset if bumped or moved, hi visibility housing, remote control, fine and course settings for laser receiver accuracy	★★★★★
SPEEDS	5 laser spin speed settings from 0 - 600 rpm	★★★★★
BATTERY RUN TIME	20 hours	★★★★★
TORQUE	Red laser diode, 635nm	★★★★★
RECHARGE TIME	unknown	
VIBRATION	N/A	
EASE OF OPERATION	Very simple auto self levelling, turn on and away you go	★★★★★
PRICE	About \$1300	★★★★
ACCESSORIES	Receiver and bracket, charger, laser glasses, batteries, remote control, hard case	★★★★★
OVERALL LIKES	Easy to set up, auto self levelling, accurate, grade slope function, top and bottom plumb spot, robust	
OVERALL DISLIKES	Receiver almost too accurate on fine setting, very sensitive auto reset function, doesn't emit vertical beam	
OVERALL STAR RATING		★★★★★

