Laser Range

Intelligent measuring

Satisfying the professional's needs

3 YEAR WARRANTY

Automatic Self-Levelling Laser Level: SKR200Z

See page 3 for more detailes

YOU WORK TO THE HIGHEST STANDARDS, SO DO OUR TOOLS.

Makita LD050P, LD080P and LD080PI

These compact and handy models are specifically designed for indoor applications. Shortcut keys for addition, subtraction, area and volume calculation make measuring fast and very reliable. The last 5 or 20 measurements are also automatically stored depending on model. The laser dot is clearly visible. You can always see your targeting point, even if the target object is in a hard to access area.

Precise measuring: Fast, easy and compact.

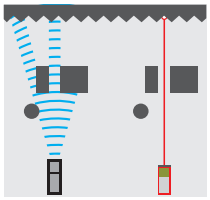
Robust End Piece

The LD080P and LD080PI end pieces are strong and rugged, offering excellent support when measuring from corners or edges. **Position 1** offers a solid piece to butt up against edges, while **position 2** provides ultimate accuracy when measuring from corners.

Swiss Built Optics

Swiss precision optics and a sturdy titanium inner housing have been used in all models in order to give clear focusing of the laser over long distances, resistance to wear and tear on the building site and temperature change.

Questions and Answers



Why are laser distance metres better than ultra sonics? Makita LDM's are more accurate with the ability to go over inaccessible areas. Ultra sonics measure with sound waves, which spread out conically and give only an indicative result as opposed at an accurate measurement. Sonics are affected by objects that appear within the measurement cone and do not operate well outdoors. Normal measurement range of an ultra sonic instrument is 20m while a Makita LDM measures up to 100m with high accuracy.

Is The Laser Beam Harmful?

No. Our instruments are laser class II. Under normal circumstances your eyes are protected by aversion responses such as the blink reflex.

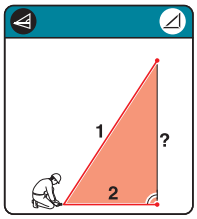
When Do I Need The Pythagorean Function?

Whenever distances cannot be measured directly, e.g. if a target point is missing such as with a flat roof. The Makita's LD080PI offers even more measuring options with the integrated tilt sensor. Thanks to this function you can measure indirect distances in a similar fashion to the Pythagoras function, but instead of 3 distance measurements, the tilt is measured. Ideal whenever no direct target point is available.

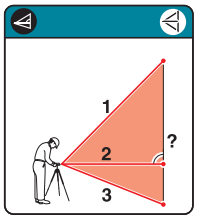
Explanations

	LD050P	LD080P	LD080PI
Typical Measuring Accuracy	2.0mm	1.5mm	1.5mm
Single Distance	●	● 80m	● 80m
Max / Min Distance	●	●	●
Add / Subtract	●	●	●
Area Calculation	●	●	●
Volume Calculation	●	●	●
Tracking Function	●	●	●
Pythagoras (2 point) - **A**	●	●	●
Pythagoras (3 point) - **B**	●	●	●
Partial Height - **C**	50m	●	●
Timer Function		●	●
Corner Measuring Pin		●	●
Memory	5	20	20
Incline Measurement - **D**			●
Height Tracking			●
Stake Out		●	●

A



B



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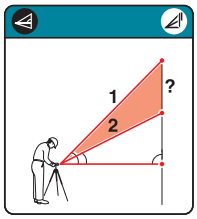

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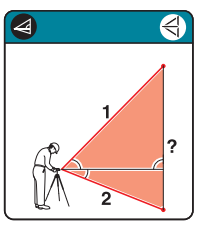

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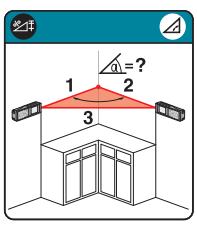
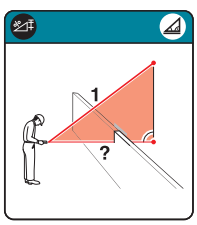


D



Laser Distance Measure
LD050P NEW

Typical Measuring Tolerance	± 2.0 mm / 10m
Max Measuring Tolerance	± 3.0 mm / 10m
Range of target plate	50 m
Typical Range*	40 m
Smallest unit displayed	1 mm
Ø laser point	6mm at 10m
Laser class	2
Laser type	635 nm, < 1 mW
Protection class	IP54
Auto laser switch off	after 90 s
Auto power switch-off	after 180 s
Battery durability (2 x AAA)	up to 3000 measurements
Dimensions	H:116 xD:45 xW:29mm
Net weight (with batteries)	100g
Temperature range:	- Storage -25 to 70 °C - Operation 0 to 40 °C

Functions:
- Single distances
- Minimum measurement
- Maximum measurement
- Addition of measurement
- Subtraction of measurements
- Area calculation
- Volume calculation
- Pythagoras (2-point)
- Pythagoras (3-point)
- Tracking function
- Memory (5 last displays)

STANDARD EQUIPMENT: Pouch, strap, 2x AAA batteries.

We keep our promise in accordance with ISO 16331-1 Accuracy & range

Laser Distance Measure
LD080P & LD080PI NEW

Typical Measuring Tolerance	± 1.5 mm / 10m
Max Measuring Tolerance	± 2.5 mm / 10m
Range of target plate	80 m
Typical Range	80 m
Smallest unit displayed	0.1 mm
Ø laser point	6mm at 10m
Laser class	2
Laser type	635 nm, < 1 mW
Protection class	IP54
Auto laser switch off	after 90 s
Auto power switch-off	after 180 s
Battery durability (2 x AAA)	up to 5000 measurements
Dimensions	H:117 xD:57 xW:32mm
Net weight (with batteries)	138g
Temperature range:	- Storage -25 to 70 °C - Operation -10 to 50 °C

Functions:
- Single distances
- Minimum measurement
- Maximum measurement
- Addition of measurement
- Subtraction of measurements
- Area calculation
- Volume calculation
- Pythagoras (2-point)
- Pythagoras (3-point)
- Pythagoras (partial height)
- Stake out function
- Timer function
- End piece flip out auto detection
- Memory (20 last displays)
- 360º Inclination sensor*
- Height tracking*

*LD080PI Only

STANDARD EQUIPMENT: Pouch, strap, 2x AAA batteries.

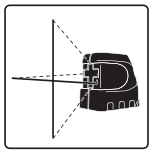
We keep our promise in accordance with ISO 16331-1 Accuracy & range

Cross Line Laser
SK102Z

Horizontal line accuracy	+/-0.3mm/m
Vertical line accuracy	+/-0.3mm/m
Range	15m (30m with receiver)
Self levelling range	+/-4º
Pulse mode w/detector	Yes
Pendulum lock	Yes
Out of level alarm	Yes (visible)
Power source	3x AA batteries
Battery life	11hr (minimum)
Operating temp. range	-10ºC - +40ºC
Storage temp. range	-25ºC - +70ºC
Dust/water proof	IP54
Net weight	475g
Tripod thread	1/4" (5/8" with adaptor)

STANDARD EQUIPMENT: Pouch, wall bracket.

30 METERS



Self levelling
Horizontal and vertical self-levelling up to ±4°, when out of levelling range automatically switches off laser and shows warning light.

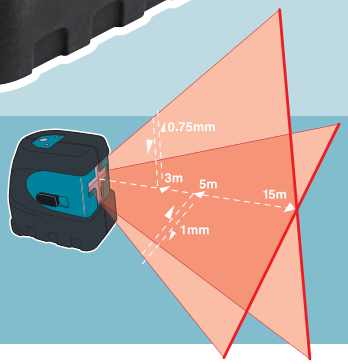
Horizontal aligning. Spirit levels and string lines are a thing of the past; now the SK102Z is the convenient way to transfer reference points from one wall to another.

Vertical aligning. The simple way to ensure that wall and floor tile joints precisely meet one another.

Exact 90° angle. Alignment tasks such as marking out 90° angles are done at the touch of a button. Saving you real time!

Aligning at an angle. You can manually switch off the self-levelling feature using the lock function. The laser line can then be projected at any angle. The lock function also serves as transport protection.

Working in very bright conditions. The pulse function is not just an energy-saving mode: it also allows you to locate the laser lines using a laser detector, even in very bright lighting conditions.

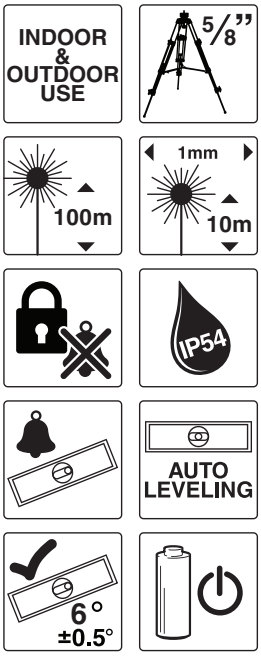


Automatic Self-Levelling Laser Level

SKR200Z NEW

Operating Range	200m diameter with receiver
Self-levelling Accuracy	±1 mm at 10 m
Self-levelling range	±6°
Rotation speeds	0, 300, 450, 600 rpm
Laser type	635 nm (red), < 1 mW
Laser class	2
Dimension (HxWxD)	156 x 154 x 197mm
Power source	2x 1.5V LR20 (D)
Battery life	up to 60 hours
Storage temp. range	-20 to 70 °C
Operating temp. range	-10 to 50 °C
Protection class	IP54
Tripod Thread	5/8"
Weight (with batteries)	1.6 kg

STANDARD EQUIPMENT: Remote control, wall mount, laser intensive glasses, target plate, receiver, bracket for laser receiver, batteries.



SKR200Z: Complete Kit

The SKR200Z gives the professionl user a fast, simple and quality leveling solution.

Makita's SKR200Z combines design, innovative engineering and durable materials to make the perfect laser for the professional to use on construction sites. Makita's SKR200Z has three rotation speeds, fast electronic self levelling, variable scanning, spot mode, manual slope capabilities and H.I alert system. The professional can use the SKR200Z for a wide range of applications ideal for general construction site levelling, plumb and squaring, drywall installation and drop ceilings. Makita's SKR200Z is accurate to ±1mm at 10m making it a brilliant investment for anyone who is looking for a complete laser solution.

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