



MikrofyN Multipurpose Lasers

- with unique features to meet specific contractor needs...

The MikrofyN ML10-15 laser series is the most rugged, easy to use, function packed multipurpose laser you can buy.

Build like a crash helmet

The lasers are built to be strong and robust. The rotor head, gearbox and electronics are incased in a very robust housing made of the same composite material as used for crash helmets.

Easy to learn, setup and use

Look at the front panel of the laser. Then you'll understand why it's so easy to setup and use.

Power ON

Set up the laser roughly - push the ON/OFF button - wait a little while until the automatic self-leveling function has adjusted the vertical and horizontal axes - and you are ready to GO.

Waterproof or just protected against rain?

Is a laser waterproof when it can withstand water and rain? (IPX6) - we don't think so - all MikrofyN lasers are tested to withstand 3m head of water (IP68) - now that's waterproof. This also means that our lasers are completely dustproof.

The most accurate laser in its class

MikrofyN is renowned for producing precision lasers. We have used this experience to design the mechanics to a high standard ensuring an unbeatable accuracy of 1mm/20m.



Uniform power plant

All MikrofyN lasers use the same type of rechargeable batteries. The batteries are inexpensive and a new one can be picked up at the local hardware store. It only takes one hour for a complete recharge that will allow you to work for another 20 hours. Batteries can be changed without tools.

All MikrofyN multipurpose lasers are supplied in a sturdy carrying case.

The case will fit the laser and all necessary accessories - your laser receiver, the charger, extra battery, wall bracket and everything else will fit into the case. Even though everything fits into one case we have managed to keep the case so compact that it can be stowed under or behind the seat of your car. In fact - the case for the ML10-13 lasers is less than 13cm thick. When transporting your laser you don't have to worry about wear and tear as the laser is very well protected by the case.

SmartSlope™ -Automatic Slope Check

MikrofyN presents the new and improved software for our MikrofyN multipurpose laser series. The SmartSlope™ feature improves the overall accuracy of the ML11, ML13 and ML14 lasers when working with slope. It is widely known that aluminium tripods shift with temperature. The SmartSlope™ solves the problem in the most advanced way by measuring the current temperature, memorising it and comparing it with the initial temperature. The laser re-levels and reenters the slope automatically if there is any change in temperature. If there is no change in temperature, the SmartSlope™ re-levels every ten minutes. This ensures you the best possible precision. If you have signed a service contract the SmartSlope™ can be added to older lasers by a free software update during service.



Single Grade Mikrolaser ML11ld

- do you want a multipurpose laser that fits your needs..?

Yes - why not buy a laser that is perfectly suited for your job..?

We call the laser series "multipurpose lasers" because they are just that. You can always find a MikrofyN laser that will cover your exact needs - whatever your job might be. As no other manufacturer we have looked into our customers daily problems and needs for special applications to solve their job efficiently.

MikrofyN Multipurpose Laser ML11ld

- accurate single slope laser
- truly waterproof to 3m head of water
- large LCD display showing current settings
- alarm function if disturbed
- self leveling for quick set-up
- power saving function
- supplied in carrying case including HS10 laser receiver
- see technical specifications on back page for full details

MikrofyN HS10 handheld receiver

- unique LCD display for guidance on both front and rear side
- bright LED for laser detection
- audio guidance to right level
- truly waterproof to 3m head of water
- one finger is all you need for total control
- see technical specifications on back page for full details



Technical specifications	ML11ld
Working range (diam)	1000m
Accuracy	1mm/20m
Self leveling	Yes ($\pm 5^\circ$)
Battery 7.2 V Makita™ type - 1.4 Ah.	
Battery life, approx.**:	20 hours
Recharge time, approx.:	1 hour
Operation temperature	-20° to 55°
Environmental	Waterproof (IP68)*
Laser receiver w/clamp (adjustable)	HS10 (Standard)
Shock proof carrying case	Yes

Model specific functions	
Horizontal level laser	Yes
Alarm function if disturbed	Yes
Grade adjustment range, semi-automatic:	0 - 10% Single Grade
Rotation speed	fixed at 600
Split Beam (90)	
Vertical operation	
Plumb function	
Scan function	
Remote Control	
Visible laser beam	
Working range Visible (diam)	
Remotely operated Search-and-scan function	
Remotely operated Search-and-align function	
Wall bracket and goggles	optional
Laser/Optics:	
Diode:	650 nm
Maximum output:	4.9 mW
Laser class:	Class 3A

Laser Detector specification	HS10
Bright red LED for laser detection	Yes
LCD display for laser detection	Yes (front and rear)
Audio guidance	Yes
LCD display for laser settings	
Remote operation	
Range for remote operation	
Environmental	Waterproof (IP68)*
Battery Operation	9V standard Alkaline
Battery life	min. 100 hours**
Power saving functions	Yes (adjustable)

*waterproof to 3m head of water. Battery compartment IP65
**temperature dependent



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Since the start in 1987 MikrofyN A/S has placed itself among the top-five worldwide manufacturers of professional precision lasers and machine control systems. The profits of the business are reinvested in new products and growing the business. MikrofyN is built upon sound principals of developing and manufacturing state-of-the-art products, supported by experts and cooperating with outstanding professional local distributors.

Authorized MikrofyN Distributor: