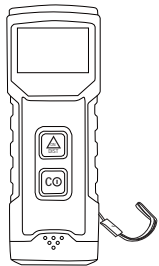


TITAN®

15M LASER DISTANCE METER



MK7-15

Barcode: 3601652613906

Manufacturer/Fabricator/Producer:
Hendelste Production Fabrikation
Kingsthorpe International Products Limited
3 Station Road
London
W2 6PR,
United Kingdom

Distributor: B&B Ltd,
Chardford Park, Harps,
6203, 16.6, United Kingdom
www.dym.com

9116 Limited
Thea House, Mead Avenue
Trent
BA22 8RT, United Kingdom

Thanks for your purchase of this TITAN® product.

Read this instruction manual carefully before using the product. Familiarise yourself with the operation, adjustments and functions of switches, internalise and follow the safety and operation instructions in order to avoid possible risks and hazards.

Keep this instruction manual for future use. Should this product be passed on to a third party, then this instruction manual must be included.

WARRANTY

2-years warranty coverage from product's purchase date.
The warranty covers appliance failures and malfunctions if the product is used as intended and in accordance with the information provided in the user's manual.

To be covered under the warranty, proof of purchase is required (sales receipt or invoice) and the product must include all its accessories.
The warranty clause does not cover deteriorations arising from normal wear, lack of maintenance, negligence, defective assembly, or abnormal use (impacts, non-compliance with the recommendations on power supply, storage, conditions of use, etc.).

Adverse effects in the event of using non-original or unsuitable accessories, or spare parts or dismantling or altering the appliance, are also excluded from the warranty.

This guarantee does not affect your statutory rights.

SAFETY INSTRUCTIONS



- ⚠ Be sure you have read and understood all instructions and operating guides contained herein before using the instrument.
- ⚠ Don't attempt in any way to change the property of the laser device, as it may expose the laser to the crowd and cause hazards.
- ⚠ This instrument emits laser radiation. So don't look at the laser beam directly, please turn on the instrument only when it is needed to do so.
- ⚠ Any operation, adjustment, control, performance or procedure beyond instructions as described herein may cause serious laser-induced radiation damage.
- ⚠ This instrument, when used in combination with other optical instruments, will aggravate the damage to human eyes.
- ⚠ This instrument contains a laser generator inside, which can generate light waves of Class 2 laser radiation and wavelength 635nm with laser powers 1mW. Laser beam under this class normally doesn't have optical damage. Nevertheless, directly staring at the laser beam will cause an instantaneous blind spot to human eyes.

SAFETY INSTRUCTIONS

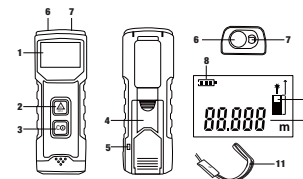
⚠ The label is on the back of the instrument and the triangle mark atop the label indicates the place where laser beam is emitted from the instrument. It is required to pay full attention to this place when using the instrument, and be aware of bystanders in the vicinity for the purpose of avoiding any harm to human eyes due to the impact of direct laser beam.

1. DON'T tear off or destroy warning labels appearing on this instrument.
2. Keep the instrument in a place inaccessible to children. DON'T point the laser beam emitted by the instrument at any person.
3. DON'T operate the instrument in the vicinity of a child or allow the child to operate it.
4. DON'T put the instrument in a place enabling the laser beam to be easily caught by eyes of any person consciously or unconsciously.
5. DON'T point the laser beam to any highly reflective object as the laser beam reflected there-from will hurt the eyes of the user or any bystander in the vicinity.
6. Turn off the instrument whenever it's not in use. Failure to do so will increase the possibility of inadvertently looking directly at the laser beam.
7. DON'T attempt to alter the property of the laser beam, as it may expose you to severe laser radiation.
8. DON'T attempt to repair or disassemble this instrument. Non-authorized repair of this instrument may cause serious laser-induced radiation harm. Any repair must be done by a licensed technician.
9. DON'T use this instrument in a place where in flammables such as flammable liquids, gases and dusts exist.
10. Only the use of genuine parts can ensure the normal operation of the instrument.
11. Store batteries of the instrument in a place out of the reach of children.
12. This product is not a toy and should not be used by children.
13. Do not open the product casing under any circumstances. Do not insert any foreign objects into the inside of the casing.
14. Do not operate the product in combustible areas such as in the presence of flammable liquids, gasses or dust.
15. **Warning!** Do not immerse the electrical/optical parts of the product in water or other liquids. Never hold the product under running water.
16. Avoid exposing the product to shock, continuous vibration or extreme hot or cold temperatures. Damage to the tool and/or serious injury to the user could result.
17. Do not look into the laser beam directly or through optical instruments.
18. The operation of this product together with other optical instruments will increase the damage to human eyes.
19. Do not touch the lens of the product.
20. Handle the laser product with care. Treat it as you would any other optical device such as a camera or binoculars.

BATTERY WARNINGS

- Do not expose batteries to extreme temperatures, like direct sunlight or fire.
- Do not place the product on any heat source. Leaking battery acid may cause harm.
- Always insert batteries correctly with regard to the polarities (+ and -) marked on the battery and the battery compartment.
- **Caution!** Danger of explosion if batteries are incorrectly reloaded.
- Replace batteries only with the same or equivalent type.
- Do not mix old and new batteries or batteries of different types or brands.
- If batteries should leak, remove them with a cloth from the battery compartment. Dispose of batteries according to the regulations. If battery acid has leaked avoid contact to skin, eyes and mucous membranes. Rinse affected areas immediately after contact with the acid and wash with plenty of clean water. Visit a physician.

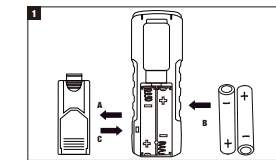
PART LIST



1. LCD
2. Power on / start measurement
3. Switching datum / power off
4. Battery compartment cover
5. Sing hole
6. Receiving lens
7. Laser emitting hole
8. Battery level icon
9. Measurement reference icon
10. Measurement data
11. Holding rope

USING THE METER

- #### Inserting batteries
- For operation of the meter, 2 x 1.5 V batteries (Type: LR03/AAA) are needed (not supplied).
 - Remove the battery compartment cover on the meter's bottom (Fig. 1A).
 - Insert the batteries while observing the polarity markings on the batteries and battery compartment (Fig. 1B).
 - Close the battery compartment cover (Fig. 1C).



Caution!

- Use batteries of high quality only. Batteries of low quality might leak and cause damage.
- Remove the batteries, if the meter is not to be used for an extended period of time, as it might be damaged by a leaking battery.
- If the meter does not work properly or the low battery icon is shown, replace with new batteries of same type immediately.

Using buttons for basic functions

Button	Descriptions
	Press 1x: Switching on the laser function and entering standby. Press 2x: Start measurement.
	Press 1x: Front base point
	Press 2x: Back base point
	Press and hold: Switching off the meter
	Press both repeatedly: Unit conversion between m, in, ft

Using buttons for measurement

Button	Measurement mode & indicator	Descriptions
	Single measurement -----m	Press once to switch on the laser function and enter standby. Press again while aiming at the target to start measurement.
	Continuous measurement	Press button continuously to start continuous measurement. Move the instrument until the desired distance appears at the bottom of the screen.

Hint!

- The product will switch off automatically after 5-minute inactivity.

Error code	Possible cause	Solution
Err01	Reflected laser signal too strong.	Change to another target or place a piece of white paper on the target.
Err03	Reflected laser signal too weak.	Measure within the effective working range.
Err02	Measurement beyond the effective working range.	Measure within the effective working range.
Err06	Low battery	Replace with new batteries.

CLEANING AND CARE

Caution!

- Always switch the meter off before cleaning and care.
- When cleaning, ensure no water enters the product.
- Never use corrosive or volatile cleansers for cleaning.

Parts	How to clean...
Casing	• Clean with a slightly damp cloth.
Optical parts (e.g. laser lens)	• Clean with a soft cloth or cotton bud slightly moistened with distilled water or alcohol.

• After cleaning, let all parts dry well.
• Protect the lens from dust or scratches. Treat the optical parts the same way as spectacles and cameras.
• Store the product in its original package, away from children and pets.

TECHNICAL PARAMETERS

Measurement Options/Features	Value
Maximum Meas. Distance	15.00 m
Measurement Accuracy: Typical Standard deviation	±0.5mm and increased by the value of 0.020mm/m
Minimum Meas. Dist.	0.05m
Laser Class	2
Laser Type	Wavelength 635nm with laser power: 10mW
Measurement Range: Off-Beam Time	1.0min
Laser Safety: Off-Beam Time	2.0min
Battery	2 x 1.5V AAAA batteries (not included)
Operating Temperature	0-40°C
Storage Temperature	-20-60°C
Case Size	130x60x30mm

• **IMPORTANT!** Under adverse conditions (such as bright solar light outdoors or in the surrounding environment, weak reflection of the surface to be measured, and rough surface), use this instrument together with a target (which usually refers to a white wall or a piece of A4 paper); otherwise a big measurement error will be possible.

DISPOSAL

Environmental protection

Discarded electric appliances are recyclable and should not be discarded in the domestic waste. Please actively support us in conserving resources and protecting the environment by returning this appliance to the collection centres.

yYwXx : Manufacturing date code; year of manufacturing (yy) and week of manufacturing (Ww)