

TITAN®



INSTRUCTIONS AND SAFETY MANUAL

DIGITAL INSPECTION CAMERA

TITAN®

Thank you for choosing a TITAN product. You will find it is very useful for your installation works and home maintenance.

This high precision inspection camera is a very easy to use instrument, it is supplied with additional optical cable to double the range of investigation.

This modern device responds to strict standards governing quality and safety.

In order to correctly use your Digital camera it is essential that you take the time to read these instructions carefully. They will provide you with essential information about the device's functions and how to maintain the product correctly.

Please retain this manual in case you need to refer to it at a later date.

WARRANTY

This product is guaranteed for 2 years from the date of purchase.

The warranty covers device breakdown and malfunctions when the device is used in compliance with the manner intended and the instructions for use contained in the manual.

To be covered by the warranty, proof of purchase is required (till receipt or invoice) and the product must be complete.

The warranty does not cover wear and tear through normal use, lack of maintenance, negligence, immersion or inappropriate use (impact damage, non-respect for electrical supply recommendations, storage, usage conditions, etc).

Also excluded from the warranty are harmful consequences due to dismantling or modifying the device.

WARNING

Read all instructions. Save all warnings and instructions for future reference

WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate camera near moving machinery. The cable can be tangled in moving parts, pulling in the power tool and your hands and arms.
- Do not use near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- Children should not be allowed to use this device .

ELECTRICAL SAFETY

- Do not immerse the camera..
- Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used according to appropriate conditions will reduce personal injuries.


INSPECTION CAMERA USE AND CARE

- Use personal eye protection according to the particular investigations.. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- This Visual Inspection Camera is not intended for medical use or personal inspection.
- Store the camera out of the reach of children and do not allow persons unfamiliar with the camera or these instructions to operate the item.
- Use the camera and its additional cable in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the camera for operations different from those intended could result in a hazardous situation. Only use accessories specifically recommended for this camera. Others may be hazardous.
- Clean only with dry cloth or additional soap. Certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include: gasoline, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia. Keep the apparatus handle clean, dry and free of oil or grease.
- Always remove the batteries before cleaning.

BATTERY USE AND CARE

- This camera is designed to be powered by 4-AA batteries properly installed into the cartridge inserted in the handle. Do not attempt to use with any other voltage or power supply.
- Do not leave batteries within the reach of children.
- Do not mix new and used batteries. Do not mix brands (or types within brands) of batteries.
- Do not mix rechargeable and non-rechargeable batteries
- Install batteries according to polarity (+ and –) diagrams.
- Do not place non-rechargeable batteries in a battery recharger.
- Properly dispose of used batteries immediately.
- Do not incinerate or dismantle batteries.
- When batteries are not in use, keep them away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery, avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

SPECIFICATIONS

1. 2X Digital Zoom
2. 3X LED Brightness Control
3. 4X Dry batteries Level Indicator
4. 6 cm (2.4") TFT Color LCD (320x240 LCD Resolution)
5. 1 meter +/-2cm (3') Camera Cable with Ø17mm camera head.(300K Pixels resolution)
6. 6V  (4 x AA) Alkaline batteries operated (non supplied)
7. 5 min Auto-Shot OFF
8. 5 hours continuous operation
9. 98cm +/- 2cm Extension cable

SYMBOLS



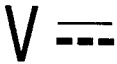
User must read and understand operator's manual



Wear eye protection
(depending investigation)



To prevent electric shock, do not allow product to contact live electrical parts



Direct Current



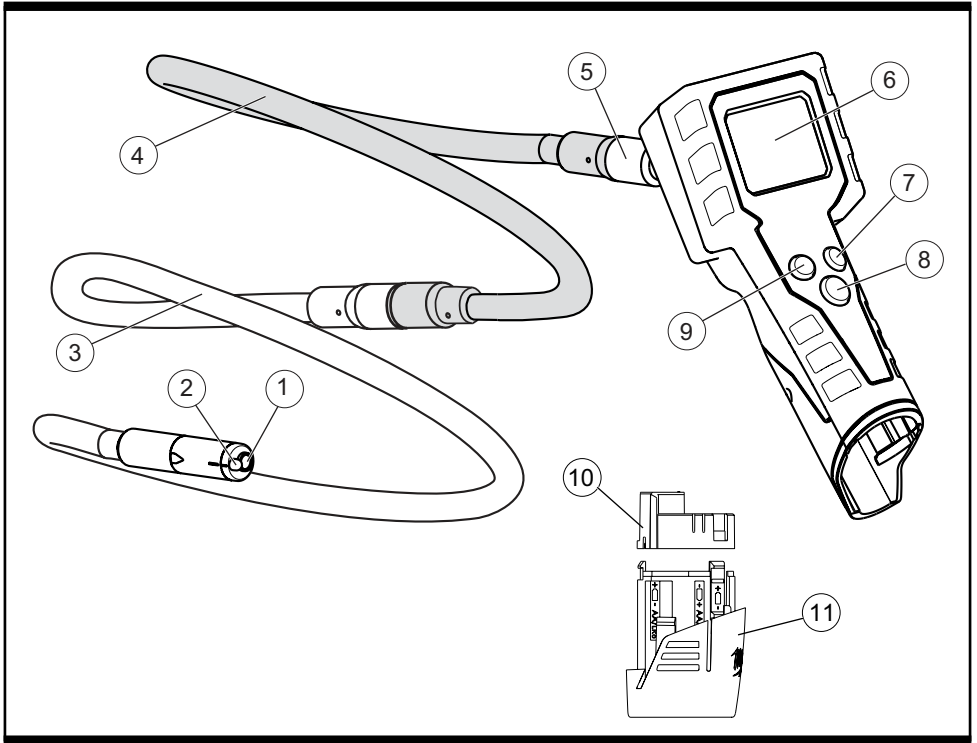
Complies with European Directives






Environmental Protection:

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

FUNCTIONAL DESCRIPTION

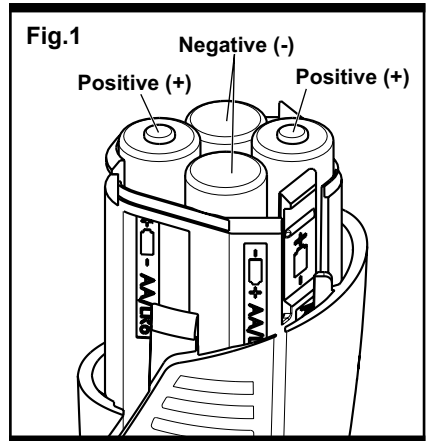


1. Camera lens
2. Camera LED
3. Cable
4. Extension Cable
5. Socket sleeve
6. LCD screen
7. Zoom control - 
8. On/Off button - 
9. LED brightness control - 
10. Battery cartridge cap
11. Cartridge cap

ASSEMBLY

Loading the batteries

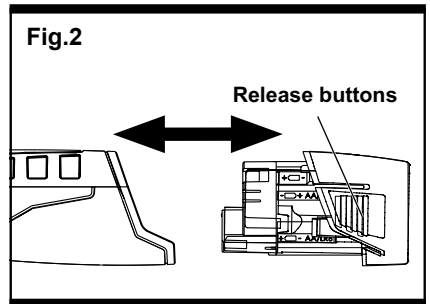
1. Remove the battery cartridge cap.
2. Insert four (4) AA batteries, as shown.
3. Replace the battery cartridge cap.



INSERTING/REMOVING THE BATTERY CARTRIDGE

To remove the battery cartridge, push in the release buttons and pull the battery cartridge away from the handle.

To insert the battery cartridge, slide the cartridge into the handle of the camera. Make sure it latches securely into place.



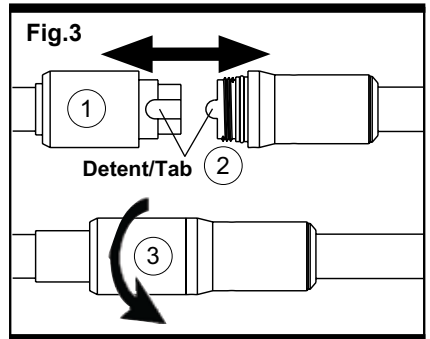
CONNECTING THE CABLE

1. Slide back the socket sleeve.
2. Line up the tab on the cable with the detent on the socket.
3. Press the socket and cable together and slide the sleeve over the connection.
Tighten the sleeve securely.

OPERATION

WARNING

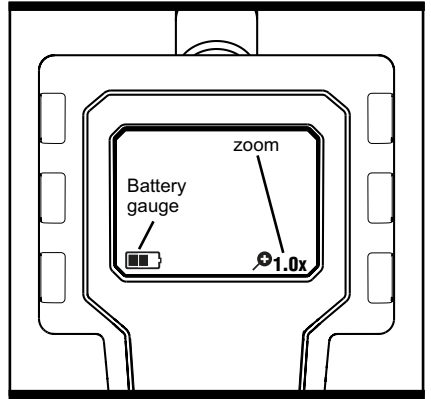
To reduce the risk of injury, wear safety goggles or glasses with side shields. Always remove the batteries before changing accessories or making adjustments.



TURNING

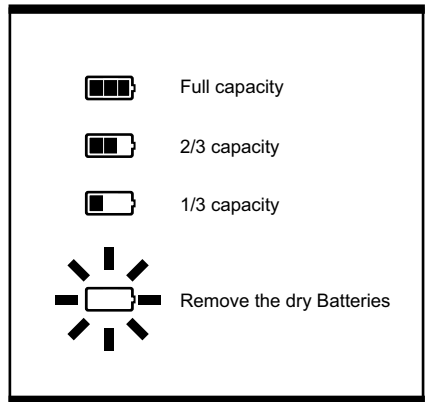
On/Off

Press the On/Off button to turn the camera on and off. The camera will shut off automatically if unused for 5 minutes.



Battery Gauge

The gauge is displayed in the lower left corner of the LCD while the camera is on.



Zoom

The current zoom level is displayed in the lower right corner of the LCD while the camera is on. To increase the zoom by 0.1 increments between 1.0 and 2.0, press the zoom button. To scroll through the zoom levels, press and hold the zoom button.

Camera LED

The camera LED can be adjusted to 3 levels of brightness and turned off. Press the camera LED button to increase the level of brightness or turn it off.

WARNING

To reduce the risk of explosion, electric shock and property damage, always check the work area before beginning a job. Do not allow cable to contact electrical, chemical, or moving hazards.

Behind walls: Shut off power supply to the entire area.

Inside Pipes: Ensure there is no electrical charge to the pipes before beginning inspection. Do not allow liquid to flow down cable and into the tool.

Auto use: Turn off and allow to cool before beginning inspection.

Do not allow the visual inspection camera or cable to contact oil, gas, or other corrosive materials.

The normal function of the product may be disturbed by Strong Electro Magnetic Interference. If so, simply switch the product off and back on again to resume normal operation by following the instruction manual.

CAUTION

To reduce the risk of damage to the camera, do not use excessive force or "kink" the cable. Do not use in areas where visual inspection camera and cable will contact corrosive or oily substances.

Do not use the cable to clear clogs or move obstructions. This is not a drain cleaner!

Using the Visual Inspection Camera

1. Adjust the cable to best fit the opening.
2. After checking the workspace for hazards, insert the cable and adjust the zoom and lighting as necessary.

TITAN®

Declaration of conformity

We, Titan Power Tools (UK) Ltd
Trade house, Mead Avenue, BA22 8RT

Declare, under our own responsibility, that the following device:

Product designation: DIGITAL INSPECTION CAMERA
TITAN model number TTO368HTL

Meets all the necessary requirements of the directives listed below:

Directive on electromagnetic compatibility, 2004/108/CE

EN 55022

EN 55024

Authorised signatory and technical file holder

Date: 07/07/2010

Signature:



Name / title: Peter Harries / Quality Manager

Titan Power Tools (UK)Ltd. Trade House , Mead Avenue ,BA22 8RT

