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Tursdale Technical Services Ltd
Unit N12B
Tursdale Business Park
Co. Durham
DH6 5PG
United Kingdom
Phone: +44 (0) 191 377 3398
Fax: +44 (0) 191 377 3357
info@tursdaletechnicalservices.co.uk
<http://www.industrial-needs.com/>

INSTRUCTION MANUAL **High Resolution Paper** **Scale *PCE-DE 50***



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1. Security instruction

⚠ Please read this information carefully before you use the two way radio.

General instructions

- ◆ Don't place the unit on unstable location, if it falls down, people may be injured.
- ◆ The unit is not a toy, please beware of small children.
- ◆ If you connect the unit to other electronic devices, please study also the security instruction of this device.
- ◆ If you have any question regarding the unit, how it works, the safety or the correct connection please contact our technical support or ask any specialist.
- ◆ The seller will not be liable for any damages caused by misuse of the product and any claim from third parties.

Environmental conditions

- ◆ Don't drop or shake the unit, it might be damaged.
- ◆ Avoid too high pressure to the LC-display, it might be damaged.
- ◆ Don't leave the unit where the temperature is higher than 60°C, e.g. in cars with closed windows in the summertime, near heaters or any other type of heat source.
- ◆ Don't use the unit in rooms with high humidity e.g. bathrooms. Parts of the apparatus, tube and mini camera, are water proofed See technical specifications for details
- ◆ Don't use the unit at dusty places.

Technical problems

- ◆ In case any foreign material or liquid gets into the product, please immediately remove the power cord. Before you use it again, ask your authorised dealer to check the product carefully.
- ◆ Please do not hesitate to contact our service center.

Packaging material

- ◆ Please don't keep any packaging material within reach of small children. It can become a dangerous toy.

Maintenance

- ◆ Please remove the battery in case you don't use the product for a longer period of time. Leaking batteries can damage the product. Store the product at a clean and dry place.
- ◆ For cleaning use dry and soft cloth.

1.2 Delivery content

Interference by radio

- ◆ The apparatus operates on a frequency, which is also used by other devices, that transmit video by radio.
In some cases this may cause interferences.

Delivery content



Hand grip



Tube with mini camera



TFT monitor



Hook



Magnet



Mirror



Adaptor



Charger/Power supply for the monitor

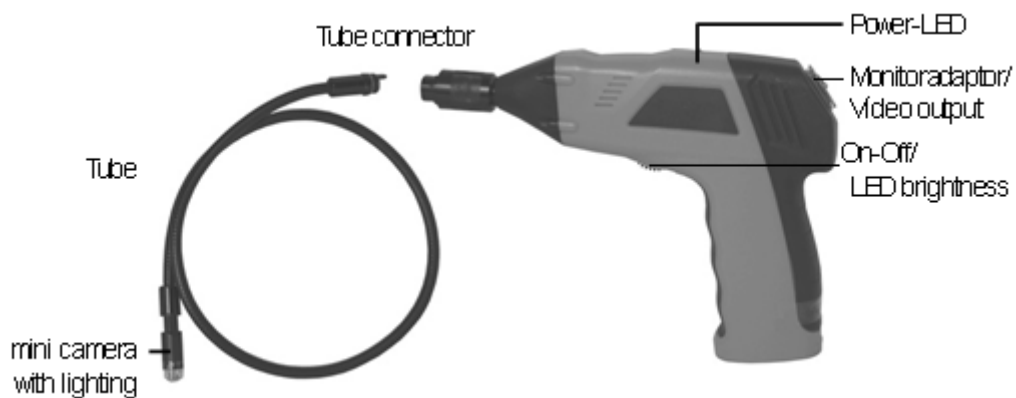


4 x AA Batteries

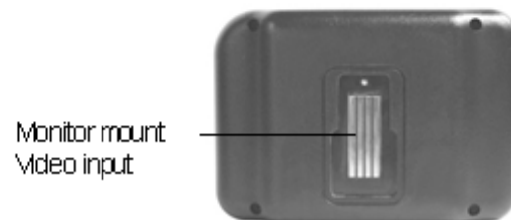
2. Getting started

2.1 Appliance description

Hand grip



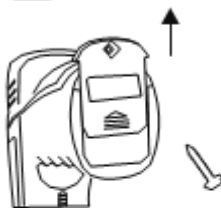
Monitor



2.2 Insert Batteries

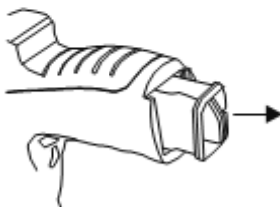


- ◆ The batteries are inserted into a battery box in the grip.
- ◆ Remove the screw using a screwdriver on the lower side of the grip.



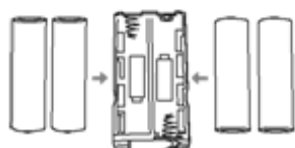
Slide the cover in the direction of the arrow.

- ◆



Remove the battery compartment.

- ◆



- ◆ Insert four new batteries(included) into the slots of the battery compartment. The proper orientation of the batteries is indicated on the compartment.
- ◆ Install the battery cap into place.

i Always exchange a complete set of new batteries.

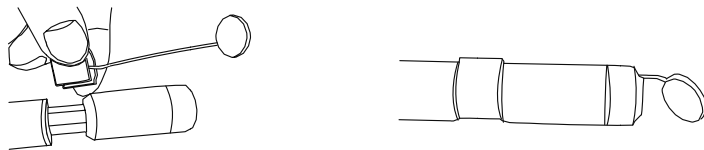
2.3 Installing the imager head cable

To use the Findo the imager head cable must be connected to the hand grip. Be sure that the key and slot are properly aligned. Once they are aligned, finger tighten the knurled knob to hold the connection in place.



2.4 Installing the accessory

The accessories consist of 3 parts, a mirror, a magnet and a hook, which are all attached to the imager head on the same way. The accessories have 2 mounting positions at the imager head.



2.5 Charging battery in the monitor

The monitor has a built-in Li-Ion battery. A full charged battery is enough for approx. 5 hours

ⓘ Consider the sequence the power supply is connected to the monitor.

- ◆ Connect the adaptor cable to the power supply.
- ◆ Put now the jack plug into the appropriate socket at the left side of the monitor.
- ◆ After that you can plug the AC adaptor into the plug socket.
- ◆ During charging the power LED indicates red.
- ◆ The monitor can be used during charging.

⚠ Inspect the inspection camera before use and correct any problems to reduce the risk of serious injury from electric shock and other causes and prevent tool damage.

2.6 Operation

Turn on the power at the bottom side of the hand grip. The power indicator lights. The switch acts also as a dimmer for the twin LEDs at the imager head.

⚠ Don't buckle the tube. The min. should not go below 15 cm.



Slide the power On-Off switch on the right side of the monitor on position. Now turn the monitor on with the **Standby** button. The Power LED indicates green. Setup a suitable lighting with the hand grip. At the monitor you can adjust the brightness and the contrast, which also depends on the pre-setting of the Twin LEDs



If the **Image Orientation** button is pressed, the picture orientation turns 180° or is mirrored. The signal transmission from hand grip to monitor uses the connector if the monitor is mounted on the hand grip. If not the transmission is wireless via radio.

i The range between monitor and hand grip is up to about 5m. In some cases the range can be up to 10m. The transmission range may vary according to the weather, location, interference and building construction.

2.7 Technical specifications

Hand grip

Image sensor	CMOS
Total pixel	704 x 576 (PAL) View angle 50°
Transmission frequency	2468MHz min. illumination
	0 Lux Modulation typ FM
Bandwidth	18MHz
Power Supply	4xAA batteries
Dimensions	186 x 145 x 41(mm) (without flexible tube)
Weight	530g
Camera diameter	16mm

Monitor

Display	2.4" TFT-LCD Pixel 480 x 240
Videosystem	PAL Transmission frequency 2468MHz
Power supply	built-in Li-Ion battery external
Power supply	8V-36V/450mA
Video output level	0,9-1,3Vpp an 75Ohm
Dimensions	100x70x30mm
Weight	140g
Operating temperature	-10°C~+50°C/+14°C~+122°C
Operation humidity	15~85%RH

3. Disposal of electrical and electronic equipment



This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. There are separate collection systems for recycling in the EU.

For more information, please contact the local authority or your retailer where you purchased the product.

Service information

In case of complaints your device shows a defect, please consult your dealer or contact the service department of dnt to agree a servicing.

Hotline/service: +44 (0) 191 377 3398

E-mail: info@tursdaletechnicalservices.co.uk

Please do not send your device to our address without request by our service team. The expense and the risk of the loss are for debits of the sender. We reserve to refuse the unrequested shipment or return corresponding goods to the sender at buyer's risk and expense.

In this direction will find a vision of the measurement technique:
<http://www.industrial-needs.com/measuring-instruments.htm>

NOTE: "This instrument doesn't have ATEX protection, so it should not be used in potentially explosive atmospheres (powder, flammable gases)."