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**Image Capture
Video Borescope**



Code: 282340

**Operating
Instructions**

Image Capture Video Borescope

KIT CONSISTS OF:

Video Borescope, gooseneck probe 100cm, video cable, USB cable, Li-Ion batteries, charger, magnet tip, hook tip, mirror tip, hard case, 2GB SD-card, user manual.

SAFETY INSTRUCTIONS

Please follow up instructions given in user manual. Carefully read the instructions before using the instrument. Do not open the instrument housing. Repairs should be carried out by authorised workshops only. Please contact York Survey Supply Centre. Do not remove warning labels or safety instructions. The camera is waterproof, but not the instrument. Do not use the instrument under water. Do not use the instrument in humid/wet condition (rain). Carefully screw the probe onto the instrument in order to avoid electro shocks. Do not use the instrument in direct sunlight, in bright illumination and with reflectors.

INTENDED USE OF INSTRUMENT

Optical check/survey of unaccessible places via borescope, i.e. sanitary installations, electrical industry, construction.

CARE AND CLEANING

Please handle measuring instruments with care. Clean with soft cloth only after any use. If necessary damp cloth with some water. If instrument is wet, clean and dry it carefully. Pack it up only when it is perfectly dry. Transport in original container/case only.

FEATURES

Optical check of machine interior for service and repair. Survey and check of objects under water (drainage works) - **Please only put camera with probe under water - not the instrument!** Memory function Image rotation Display indication of date and time Audio and video recording SD-card (2GB; support up to 8GB optional) Built-in 70MB flash memory TV output Conversion into jpg and bmp format Languages: German, English, French, Spanish LED illumination for working in dark surroundings Adjustment of contrast, illumination and colours USB charging of 2000mAh Li-Ion battery Power saving mode

TECHNICAL DATA

Camera head
Viewable angle 0° and 180°
Focal length 6 - 7cm
Viewable distance 5 - 15cm
Diameter of camera 17mm
Light source LED

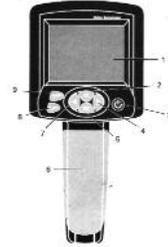
Display

Display size 3.2"
Resolution 320 x 240 pixels
Image transmission to LCD Gooseneck tube
CMOS image sensor 300,000 pixels
Video output (to TV) PAL / NTSC
Picture/video format JPG/3GP
Resolution picture/video 320 x 240 pixels
Internal memory 70MB
Further memory 2GB SD-card support up to 8GB (optional)
Operation languages German, English, French, Spanish

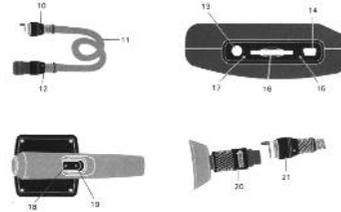
Various

Probe length 100cm
Bend radius of probe 6cm
Protection class probe & camera IP67
Power supply 3.7V/2000mAh Li-Ion
Operating time 3h
Temperature range -10 - +50°C
Humidity range 15 - 85%RH
Dimensions 240 x 160 x 100mm
Weight with probe 0.584kg

FEATURES



- 1) Display
- 2) OK button
- 3) ON/OFF button
- 4) Cursor up
- 5) EXIT button (ESC)
- 6) Handle with Li-Ion battery
- 7) Cursor down
- 8) Display illumination down
- 9) Display illumination up



- 10) Camera adaptor
- 11) Gooseneck
- 12) Camera
- 13) TV output
- 14) USB charging adaptor
- 15) RESET button
- 16) SD-card
- 17) Built-in socket cover
- 18) Photo button (SNAP)
- 19) Video button (RECORD)
- 20) Mainboard socket
- 21) Camera adaptor

OPERATION

SWITCH INSTRUMENT ON

Switch instrument on with button 3. To switch instrument off press button 3 again.



SETTING IMAGE ILLUMINATION

With the buttons "Bright +" and "Bright -" you can adjust the image illumination. The lowest illumination is 0 (= LED does not light anymore), the maximum illumination is 10.

IMAGE ROTATION

With buttons 4 and 7 you can rotate the display by 180°.

SAVE PHOTOS

When the instrument is switched on press SNAP button on the reverse side to save photos. For this press button shortly. Date and time will be displayed on the photos. Photos can be browsed in the explorer.



MAIN MENU

Switch instrument on and press OK. Then following dialogue box is displayed:



Choose YES with the cursor and confirm with OK. Now you are in the main menu and can choose menu icon required. Confirm chosen menu icon with OK.

SET LANGUAGE

Choose LANGUAGE with the cursor and confirm with OK. Now you can choose the language requested and confirm with OK.

SET TIME

Choose TIME with the cursor and confirm with OK. With the cursor you can now choose the parameter requested. The yellow arrow shows which parameter you have chosen. With the buttons SNAP (= up) and RECORD (= down) you can set the parameter. Confirm with OK. Thereafter, you automatically return to the main menu.

AUTOMATIC SHUT DOWN

Choose AUTO OFF with the cursor and confirm with OK. With the cursor you can now choose the parameter requested. Confirm with OK. Thereafter, you automatically return to the main menu.

TV OUTPUT

Connect TV cable (supplied) with monitor; plug the black end into the instrument and the yellow end into the monitor. Choose TV OUT in the main menu and confirm with OK. Choose the correct parameter with the cursor and confirm with OK. Thereafter, you automatically return to the main menu.

MEMORY FUNCTION

Choose MEMORY with the cursor and confirm with OK. Choose the required format with buttons SNAP and RECORD and confirm with OK. With BACK you return to the main menu.

PICTURE AND VIDEO EXPLORER

Choose EXPLORER with the cursor and confirm with OK. Choose VIDEO PLAYER or PICTURE VIEW and confirm with OK. For deletion choose the picture/video required with BRIGHT+



Explorer



Video Player



Picture View



SET

Choose SET with the cursor and confirm with OK. Now you can choose the requested parameter with the cursor such as brightness, contrast, hue and saturation. Set the parameter with buttons SNAP and RECORD and confirm with OK. Thereafter, you automatically return to the main menu.



SAVING POWER

Choose SAVING POWER and confirm with OK. Now set if and when saving power mode starts and confirm with OK. Thereafter the instrument automatically returns to the main menu. After the time chosen the display will shut down but the system is still working. Press any button to open the display again.

EXIT MODE

You can leave any menu by pressing ESC. Then you are in the video mode and can switch off the instrument.

NOTICE:

Do not bend gooseneck more than 90°. Take out the battery if you do not use the instrument for a long time. Clean camera before using. Please only use original battery pack.



CE CONFORMITY

Instrument is certified as per required CE regulations.

ELECTROMAGNETIC ACCEPTABILITY (EMC)

- It cannot be completely excluded that this instrument will disturb other instruments (e.g. navigation systems);
- will be disturbed by other instruments (e.g. intensive electromagnetic radiation, nearby industrial facilities or radio transmitters).

WARRANTY

This product is warranted by the manufacturer to the original purchaser to be free from defects in material and workmanship under normal use for a period of two (2) years from the date of purchase. During the warranty period, and upon proof of purchase, the product will be repaired or replaced (with the same or similar model at manufacturer's option), without charge for either parts or labour. In case of a defect please contact York Survey Supply Centre. The warranty will not apply to this product if it has been misused, abused or altered. Without limiting the foregoing, leakage of the battery, bending or dropping the unit are presumed to be defects resulting from misuse or abuse.

EXCEPTIONS FROM RESPONSIBILITY

The user of this product is expected to follow the instructions given in the operator's manual. Although all instruments left our warehouse in perfect condition and adjustment the user is expected to carry out periodic checks of the product's accuracy and general performance. The manufacturer or its representatives assumes no responsibility of results of a faulty or intentional usage or misuse including any direct, indirect, consequential damage and loss of profits. The manufacturer or its representatives assumes no responsibility for consequential damage and loss of profits by any disaster (earthquake, storm, flood, etc.), fire, accident or an act of a third party and/or a usage in other than usual conditions. The manufacturer or its representatives assumes no responsibility for any damage and loss of profits due to a change of data, loss of data and interruption of business, etc. caused by using the product or an unusable product. The manufacturer or its representatives assumes no responsibility for any damage and loss of profits caused by usage other than explained in the user's manual. The manufacturer or its representatives assumes no responsibility for damage caused by wrong movement or action due to connecting with other products.