



WELL-CAMERA.2

Borehole camera



WELL-CAMERA.2

Resulting from PASI experience in the specific sector of **visual inspections in wells and pipelines**, the **color cameras** of the series WELL-CAMERA are an **innovative product**, designed to ensure **maximum convenience and simplicity of use** while maintaining compact-size and affordable prices.

Well-Camera.2 comes **complete with software and USB connection** for viewing and audio/video recording on any external laptop PC. For this model, **the electronic meter encoder has been introduced as an optional accessory**: this useful device gives **the possibility to display the information of depth directly on the monitor and record it automatically on the video saved on the PC** connected to it. Especially recommended for cameras with a cable length of equal or more than 300m, **the encoder ensures accurate and immediate data report**. Without the encoder, the operator will be able to read the depth in which the camera head is located directly on the **cable graduated in centimeters**; this information can be saved as a **voice comment** registered on PC, thanks to the presence of the **audio/video grabber board, integrated into the Well-Camera**. **Watertight seal up to 35 bar** allows use of this camera in wells with a water column up to 350 m.





METHODS WELL-CAMERA.2

- VISUAL INSPECTIONS
IN WATER WELLS
- VISUAL INSPECTIONS IN BOREHOLES
(SUB-HORIZONTAL/INCLINED UPWARDS)



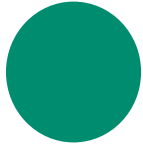
A COMPLETE WELL-CAMERA.2 SYSTEM CONSISTS OF:

- **Cable reel with camera head**
- **Control Unit with integrated monitor LCD with adjustable tilt**
- **Audio/video grabber board and microphone integrated in the main unit**
- **USB 2.0 cable for connection to external PC** (Customer supplied) for viewing and audio/video recording
- **Connection cable between control unit and cable reel**
- **Battery charger** (equipped with internal rechargeable battery, Well-Camera.2 can also be powered by an external 12V battery)
- **External 12V battery connecting cable**

**AVAILABLE
MODELS**
WELL-CAMERA.2



TEL-401-000	MOD. WELL-CAMERA.2 Borehole TV camera with 100m cable	Reel. dim. 26x28x31cm - 8 kg
TEL-402-000	MOD. WELL-CAMERA.2 Borehole TV camera with 200m cable	Reel. dim. 36x28x31cm - 10,5 kg
TEL-403-000	MOD. WELL-CAMERA.2 Borehole TV camera with 300m cable	Reel. dim. 46x28x31cm - 13,4 kg
TEL-404-000	MOD. WELL-CAMERA.2 Borehole TV camera with 400m cable	Reel. dim.46x28x38cm - 17,4 kg
TEL-405-000	MOD. WELL-CAMERA.2 Borehole TV camera with 500m cable	Reel. dim 46x28x38cm - 20 kg



ACCESSORIES

WELL-CAMERA.2



Suspending tripod with standard pulley

Accessory to facilitate the operation of downhole and uphole of the camera head in the borehole



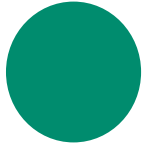
Encoder with standard pulley to be fixed to the mouth of the well

Allows the automatic display/recording of the depth at which the camera head is located, keeping it suspended at an adjustable distance from the wall of the well

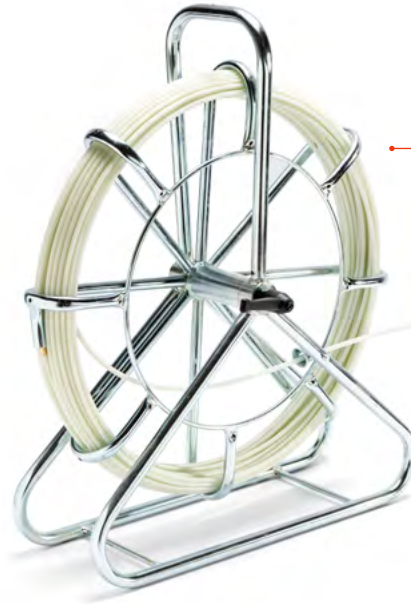


Encoder assembly for tripod mounting

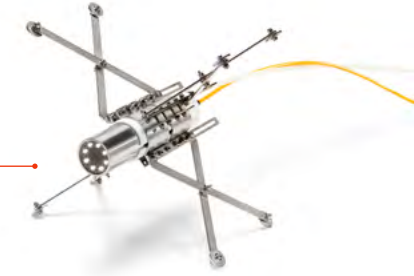
Allows the encoder fixing to the tripod (to be substituted to the standard pulley)



ACCESSORIES WELL-CAMERA.2



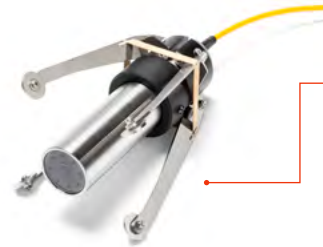
ASPO-50/80/100
Roller with 50/80/100m of
fiberglass cable + teflon
adapter for camera head
(Ø 4,2cm x 12cm)



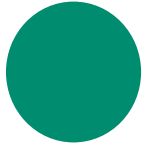
**Horizontal centering device for
horizontal use - with regulation
Ø105-332mm**
Protects the camera head from accidental
shocks and keeps it centered in the hole



90° View option
To be mounted on the camera head, with or
without centering for vertical use; the adjustable
mirror allows a lateral view of well walls



**Vertical centering device
Ø80-260mm**
Protects the camera head from accidental
shocks and keeps it centered in the hole
(other diameter ranges on request)



ACCESSORIES WELL-CAMERA.2



— Carrying case
For cable reel+camera head, available in different sizes according to Well-Camera reel dimensions (from 100 to 500m cable)



External 12V battery connecting cable

It allows you to connect the Well-Camera to any 12V external battery in case of exhaustion of the internal rechargeable battery



— Padded shoulder bag
For cable reel+camera head, available in two different sizes for Well-Camera reels with 100 and 200m cable (in alternative to the carrying case)

**TECHNICAL
SPECIFICATIONS**

WELL-CAMERA.2

1-YEAR WARRANTY

CAMERA HEAD

Diameter	40mm
Length	150mm
Sensor type	colour CCD 1/3"
Resolution	700 lines
Minimum light intensity required	0.005 lux @ F 1.2
Lens	2.9mm fixed lens - wide angle 120°
Light type	8x high-intensity LED (max. 200 lumen)
Waterproof protection	IP68, water column of 350m (35 bar)

Technical specifications subject to change without notice

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MONITOR

Display dimensions and type	9" TFT LCD
Image aspect ratio	16:9 o 4:3
Resolution	800x480 pixel
System	NTSC/PAL

CONTROL UNIT

Power supply	Internal 12V battery (up to 10 hours of field use); possibility to connect to an external 12V battery
Digital output	integrated USB 2.0 audio/video grabber board + microphone for recording movies and vocal comments directly to any external Windows PC (iOS on request)
Analog output	BNC connector
Encoder unit of measure	Meters/Feet, User selectable
Weight	6 kg
Dimensions	30.6cm x 23.4cm x 13cm Shock-resitant PELI CASE IP67

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