

# **Laserliner 084 121 Pipe Control Mobile-Camera Instructions**

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# Laserliner 084 121 Pipe Control Mobile-Camera



Completely read through the operating instructions, the "Warranty and Additional Information" booklet as well as the latest information under the internet link at the end of these instructions. Follow the instructions they contain. This document must be kept in a safe place and passed on together with the device.

# **Function / Application**

The PipeControlMobile-Camera is a camera unit which can be connected to the VideoControl-Master base unit. The reel with a cable length of 20 m allows for inspections over great distances. Working with the base unit, colour video images are sent to the LCD for inspecting all places that are difficult to access such as pipelines, canals, ventilation pipes and exhaust gas systems.

# **General safety instructions**

- The device must only be used in accordance with its intended purpose and within the scope of the specifications.
- The measuring tools and accessories are not toys. Keep out of reach of children.
- The structure of the device must not be modified in any way.
- Do not expose the device to mechanical stress, extreme temperatures or significant vibration.
- The device must no longer be used if one or more of its functions fail or the battery charge is weak.
- The camera head is not acid-resistant or fireproof.
- It is absolutely vital to ensure that the PipeControlMobile-Camera does not come into contact with chemicals, voltage, moving or hot objects. This can damage the device and put its user at risk of serious injury.
- The PipeControlMobile-Camera must not be used for medical examinations / examining people.
- To maintain the IP68 protection class, the caps on the connections must be firmly locked in.
- Clean the push cable with a damp cloth before reeling it in. Wherever possible leave the plug connections

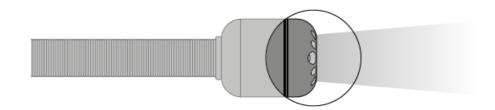
connected to the cable when cleaning the spindle.

- Please ensure compliance with the safety regulations set out by local and national authorities with regard to the correct and proper use of the device.
- The unit is not suitable for taking measurements close to dangerous voltages. Therefore always make sure that
  conductive parts are at zero potential when carrying out measurements in the vicinity of electrical systems.
   Safe isolation from the power supply and precautions to prevent systems being switched on again must be
  ensured by implementing suitable measures.

# Safety instructions

Using artificial, optical emission (OStrV)

### **LED** outlet



- The device works with LEDs of risk group RG 0 (exempt, no risk) in accordance with the latest versions of applicable standards relating to photobiological safety (EN 62471:2008-09ff / IEC/TR 62471:2006-07ff).
- When used for the intended purpose and under reasonably foreseeable conditions, the accessible radiation of the LEDs is safe for the human eye and skin.

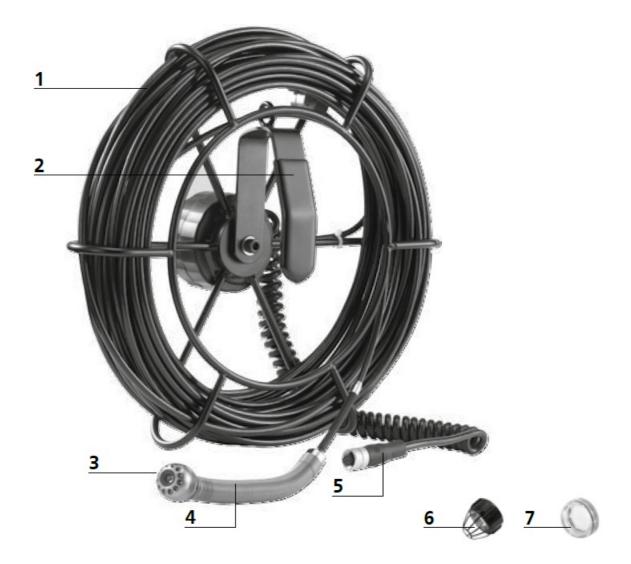
#### Dealing with electromagnetic radiation

• The measuring device complies with electromagnetic compatibility regulations and limit values in accordance with EMC-Directive 2014/30/EU.

Local operating restrictions – for example, in hospitals, aircraft, petrol stations or in the vicinity of people with pacemakers – may apply. Electronic devices can potentially cause hazards or interference or be subject to hazards or interference.

#### Information on maintenance and care

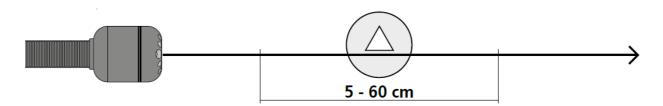
Clean all components with a damp cloth and do not use cleaning agents, scouring agents and solvents. Remove the battery(ies) before storing for longer periods. Store the device in a clean and dry place.



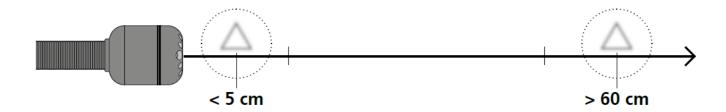
- 1. Glass-fibre reinforced push rod, 20 m
- 2. Handle
- 3. Camera head with 12 high-power LEDs
- 4. Flexible coil spring
- 5. Control cable
- 6. CameraProtector 25 mm
- 7. SafetyLens

# Focal depth

The PipeControlMobile-Camera delivers sharp images in a range between 5 and 60 cm from the camera head.



Objects well beyond the focus range may appear blurred.



# Connection for control cable

When screwing the control cable to the VideoControl-Master base unit on top, ensure that the arrow on the connector plug points toward the groove of the respective device.



**Note:** The sensitive contact pins of the connector only fit into the socket in this position and can be damaged if not positioned correctly or used too forcefully.

# Roll up the push rod

To roll up the push rod properly, push the cable into the reel.

**Note:** The cable should not be rolled up by turning the reel.



# **Technical data**

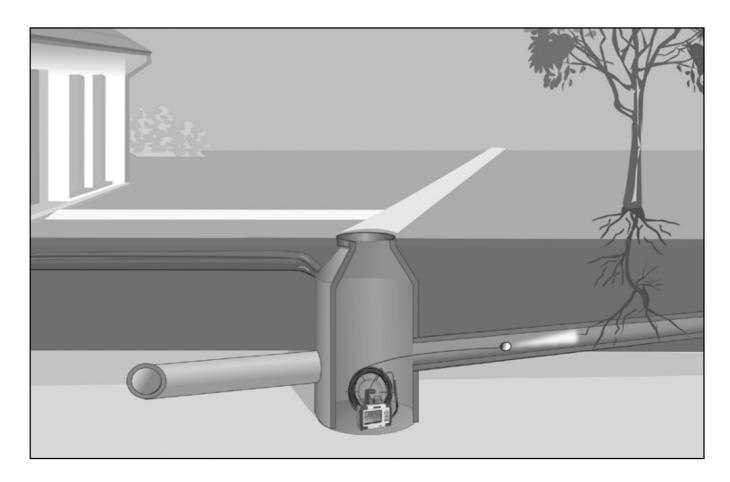
Technical data	Subject to technical alterations. 18W04
Type of camera	CMOS image sensor
Camera head	ø 25 mm, water-resistant
Protection class	IP 68 (immersion depth 20 m, 1h)
Camera resolution	640 x 480 pixels
Field of vision	73°
Focal depth	5 60 cm
Reel diameter	31 cm
Cable diameter	5,8 mm
Cable length	20 m
Minimum bending radius	70 mm
Operating conditions	-10°C 60°C, Max. humidity 20 85% rH, no condensation, Max. working altitude 4000 m above sea level
Storage conditions	-20°C 70°C, Max. humidity 80% rH
Weight (without accessories)	1,48 kg
<b>Dimensions</b> (W x H x D)	310 mm x 310 mm x 120 mm

# EU directives and disposal



This device complies with all necessary standards for the free movement of goods within the EU. This product is an electric device and must be collected separately for disposal according to the European Directive on waste electrical and electronic equipment.

Further safety and supplementary notices at: <a href="http://laserliner.com/info?an=pcmc">http://laserliner.com/info?an=pcmc</a>



### **SERVICE**

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# References

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Manuals+,