

KL-0880-10 K

Videoscope (Ø 3.9mm)



GEDORE Automotive GmbH

Breslauer Straße 41
78166 - Donaueschingen
Postfach 1329
78154 Donaueschingen - GERMANY
☎ +49 (0) 771 / 8 32 23-0
☎ +49 (0) 771 / 8 32 23-90
✉ info.gam@gedore.com



www.gedore-automotive.com



01/2025

KL-0880-10K__EN250108.indd

**ENGLISH****EN**

Address of the manufacturer

GEDORE Automotive GmbH

Breslauer Straße 41 // 78166 Donaueschingen - GERMANY

☎ +49 (0)771/83223-71 // ✉ info.gam@gedore.com

Imprint

In the course of improvement and adaptation to the state of the art, we reserve the right to make changes with regard to appearance, dimensions, weights and properties, and performance.

This does not imply any claim to correction or subsequent delivery of already delivered products. Deletions can be made at any time without any legal claim arising.

Instructions for use and safety are not binding. They never substitute for any legal or trade association regulations.

We do not accept any liability for printing errors.

Any reproduction, in whole or in part, requires the prior written consent of **GEDORE Automotive GmbH**.

All rights reserved worldwide.

© Copyright by **GEDORE Automotive GmbH** Donaueschingen (GERMANY)

We refer to our general terms and conditions, which can be found in the imprint at:

www.gedore-automotive.com



CONTENTS

1. READ AND UNDERSTAND FOR YOUR SAFETY	4
1.1 Target group.....	4
1.2 Obligations of the owner.....	4
1.3 Intended use	4
1.4 Reasonably foreseeable misuse	4
1.5 Labelling of the warnings.....	5
1.6 Work environment	5
1.7 Basic safety instructions and warnings.....	5
1.8 Care / storage.....	7
1.9 Repair	7
1.10 Environmentally friendly disposal.....	7
1.11 Duty to provide information pursuant to the Electrical and Electronic Equipment Act (ElektroG)	7
1.12 Duty to provide information pursuant to the Battery Act (BattG)	7
2. PRODUCT DESCRIPTION.....	8
2.1 KL-0880-10 K Videoscope (Ø 3.9mm)	8
2.2 Specifications.....	8
2.3 Scope of delivery	9
3. PREPARE THE VIDEOSCOPE	10
3.1 When using the display unit	10
3.2 When using a smartphone, laptop or similar device	11
4. OPERATION AND FUNCTION OVERVIEW	12
4.1 Overview of handle with camera unit.....	12
4.2 Overview of display unit.....	13
4.3 Overview of key functions.....	14
4.4 Overview of menu navigation	15
4.5 Basic operation	15
5. EC DECLARATION OF CONFORMITY / UK DECLARATION OF CONFORMITY	18

1. READ AND UNDERSTAND FOR YOUR SAFETY



Read and understand these operating instructions **before using** the videoscope (*video endoscope*) and observe all safety and warning instructions! Misuse can result in **DEATH** or **SEVERE INJURIES**! These operating instructions are an integral part of the videoscope. Keep them at a safe place for future reference, and always pass them on to subsequent users of the glow plug tool! The videoscope complies with the recognised rules of technology as well as the relevant safety regulations!

1.1 Target group

These operating instructions are **exclusively** intended for skilled personnel in specialised motor vehicle workshops!

The videoscope **may only be** used by skilled personnel in specialised motor vehicle workshops who are familiar with the basic regulations on work safety and accident prevention!

✔ **Never** allow unauthorised, inexperienced persons, minors and children, or persons with limited physical, sensory, and mental abilities to use the videoscope!

1.2 Obligations of the owner

Pursuant to the German Ordinance on Industrial Safety and Health (*BetrSichV*), employers are obliged to provide their employees with safe work equipment in accordance with the recognised rules of technology and the relevant safety regulations!

✔ The owner of the videoscope **must** ensure that **only** trained personnel in specialised vehicle workshops use the videoscope!

✔ The owner of the videoscope **must** ensure that the instructions for use are available to the user and that the user has completely read and understood the instructions for use **before** using the videoscope!

✔ The owner of the videoscope **must** ensure that the user is familiar with the basic regulations on work safety and accident prevention, and that the personal protective equipment is available to him!

1.3 Intended use

The videoscope ...

✔ **may only** be used for industrial applications on motor vehicles such as passenger cars, vans, commercial vehicles, buses, construction machinery and agricultural machinery!

✔ **may only** be used for inspection and damage analysis on components such as engines, gearboxes, intake and cooling systems, exhaust systems, body parts, etc.!

✔ **may only** be used with GEDORE Automotive genuine spare parts and accessories!

✔ **may only** be used in the way described in these operating instructions!

⚠ Any other use can result in **DEATH** or **SEVERE INJURIES**!

1.4 Reasonably foreseeable misuse

The videoscope ...

✔ **must never** be used for medical purposes or in another way than intended!

✔ **must never be used** in explosive areas or immersed in highly flammable liquids and gases!

✔ **must never** be used with a bridged, modified, or removed safety device!

✔ **must never** be modified, converted, or used for other purposes without authorisation!

⚠ Use the videoscope **always** as intended. Any other use can result in **DEATH** or in **SEVERE INJURIES**!

1.5 Labelling of the warnings

Warnings warn of potential **hazards**. **Always** observe these warnings to avoid **DEATH** or **INJURIES**!

For better differentiation, warnings in these operating instructions are classified as follows:

Warning sign	Meaning
 WARNING	Indicates a hazardous situation, which, if not avoided, could cause DEATH or SERIOUS INJURIES .
 CAUTION	Indicates a hazardous situation which, if not avoided, could cause MODERATE or MINOR INJURIES .
 ATTENTION	Indicates a situation which, if not avoided, could cause damage to the tool or an object in its vicinity.
	Note on important information and useful tips.

1.6 Work environment

Only use the videoscope in a safe working environment and **never** expose it to extreme temperatures, direct sunlight, fire or extreme humidity and moisture!

- ✔ The workplace **must** be clean and tidy.
- ✔ The workplace **must** be sufficiently large and illuminated.
- ✔ The workplace **must** be on a solid and non-skidding floor.
- ✔ The workplace **must** be safeguarded against access of unauthorised persons.
- ✔ The workplace **must** be at room temperature between -10°C and +40°C.

1.7 Basic safety instructions and warnings

⚠ WARNING - Failure to observe this warning may result in an accident or death.

When using the videoscope, **always** observe the following safety and warning instructions as well as measures to avoid **DEATH** or **SERIOUS INJURY** as well as property damage due to hazards, misuse, abuse and unsafe handling!

- ✔ Read and understand these operating instructions **before using** the videoscope and observe all safety and warning instructions for **safe use**!
- ✔ **Always** work with the videoscope in accordance with the basic regulations on work safety, accident prevention and environmental protection!
- ✔ **Never** use the videoscope for medical purposes or in another way than intended!
- ✔ **Always** use the videoscope as intended! **GEDORE Automotive GmbH** accepts no liability or warranty or guarantee claims for injuries and damage resulting from improper use or failure to observe the safety!
- ✔ **Before each use**, check the videoscope **carefully** for damage, loose parts, or unauthorised modifications. **Never** use it if you notice any such deficiencies!
- ✔ The videoscope may **only** be opened, checked and repaired by specially trained personnel at **GEDORE Automotive GmbH**!
- ✔ **Only** use original spare parts and accessories from **GEDORE Automotive GmbH** for the videoscope!

- ✔ **Always** observe the vehicle-specific manufacturer's specifications when working with the videoscope!
- ✔ It is **essential** to avoid dropping, hitting or knocking the videoscope! Place the videoscope securely against damage on a clean shelf or in the corresponding storage bag!
- ✔ **Never** use the videoscope when you are tired or under the influence of alcohol, drugs, or medication!
- ✔ **Before using** the videoscope, make sure that **no** unauthorised persons are in the immediate environment!
- ✔ **Always** keep the videoscope out of the reach of unauthorised, inexperienced and underage persons as well as children, or persons with limited physical, sensory and mental abilities!
- ✔ Electrical and electronic devices can cause a spark discharge. **Never** use the videoscope in areas where there is a risk of explosion and **never** immerse it in flammable liquids or gases, e.g. in a fuel tank!
- ✔ **Never** use the videoscope near uninsulated and live cables and parts!
- ✔ **Always** observe the vehicle-specific application sequences in the vehicle manufacturers repair guide.
- ✔ Make **absolutely** sure that the correct mains voltage is applied before plugging in the power supply unit of the videoscope. You will find more information on the type plate on the power supply unit.
- ✔ **Do not** leave the power supply unit unattended during operation and **always** unplug it from the socket after use and during thunderstorms!
- ✔ The videoscope has a permanently installed lithium-polymer accumulator (rechargeable battery). For charging, use **only** the enclosed charging cable with power supply unit or an equivalent charger that meets the same specifications and limits!
- ✔ If you notice that the videoscope becomes extremely hot, e.g. during the charging process, disconnect the power supply **immediately** and do not continue to use it **under any circumstances**, as there is a risk of explosion and injury from escaping gases or liquids!
- ✔ **Avoid** direct sunlight on the videoscope for a longer period of time and keep it away from heat and fire!
- ✔ **Never** look into the LED illumination on the videoscope for a longer period of time!
- ✔ **Never** remove the SD card while taking photos and videos, this can lead to data loss!
- ✔ The camera lens on the videoscope is **IP67** dust/water protected and may be immersed in water for short periods. The remaining components are not waterproof, so avoid contact with water **at all costs** and **never** use this with wet hands!
- ✔ **Do not bend** the camera cable, data cable or charging cable on the videoscope as this could damage them!
- ✔ Depending on the temperature and angle of the camera cable, the swivel range of the 2-way joint on the videoscope may be slightly reduced.
- ✔ Always set the camera lens to the middle position before removing it from a cavity!
- ✔ **Always** wear your personal protective equipment, e.g. safety goggles, protective gloves, safety shoes, if necessary!
- ✔ This electrical or electronic device contains a lithium-polymer accumulator (rechargeable battery). Please note that when returning the videoscope to a collection point, it must **only** be discharged and the battery terminals must be protected against short circuits!
- ✔ Interrupt your work **immediately** if you are unsure about using the videoscope and contact **GEDORE Automotive GmbH, if necessary!**
- ✔ Technical changes and errors reserved.

1.8 Care / storage

CAUTION

Improper care and storage can damage the videoscope.

- ✔ Therefore, **never** immerse the videoscope in water, solvents, or other cleaning liquids.
- ✔ After use, clean the videoscope with a dry and clean cleaning cloth.
- ✔ **Only** clean the lens on the videoscope with the microfibre cloth provided.
- ✔ Store the videoscope and the operating instructions at a dry and clean place.

1.9 Repair

⚠ WARNING

Improper repair of the videoscope can result in **DEATH** or **SEVERE INJURIES**.

➤ If damage, loose parts or unauthorised modifications have been found on the videoscope, it must no longer be used for safety reasons!

➤ Repair may only be carried out by specially trained personnel from **GEDORE Automotive GmbH**!

➤ **Only** use original spare parts and accessories from **GEDORE Automotive GmbH** for the videoscope!

If necessary, contact us, the **GEDORE Automotive GmbH** for a professional inspection and repair of the videoscope.

1.10 Environmentally friendly disposal

Dispose of the videoscope and its packaging material in an environmentally compatible way in accordance with the legal requirements. If necessary, ask your local authorities about environmentally friendly disposal options.

1.11 Duty to provide information pursuant to the Electrical and Electronic Equipment Act (ElektroG)

Electrical and electronic equipment contains harmful substances and valuable resources. Therefore, do not dispose of defective appliances in household waste, but recycle them separately. This is indicated by the symbol of the crossed-out dustbin on the appliance. If your old device cannot be reused, you are welcome to send it to us at the following address:

GEDORE Automotive GmbH
Breslauer Straße 41
78166 Donaueschingen



We will then take over the complete take-back and professional disposal via our certified waste disposal companies. The device contains a lithium-polymer accumulator (rechargeable battery). This cannot be removed by the end user and will be disposed of separately by our disposal partner. Please also note that as a commercial end user you are obliged to completely delete all personal data before handing in the old device.

1.12 Duty to provide information pursuant to the Battery Act (BattG)

Please note that our electrical and electronic equipment contains batteries. Batteries must not be disposed of in household waste. This is indicated by the symbol of the crossed-out dustbin on the appliance. As the end user, you are legally obliged to return them. Batteries may contain harmful substances that can damage the environment or health if not stored or disposed of properly. Used batteries can be returned to established collection points, e.g. municipal collection points, retailers or to us at **GEDORE Automotive GmbH**. Used batteries may only be returned to collection points when discharged and with the battery terminals protected against short-circuits!

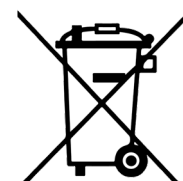
The symbols on the batteries have the following meaning:

Crossed-out dustbin = The battery must not be disposed of in household waste.

Pb = Battery contains more than 0.004% lead by mass.

Cd = Battery contains more than 0.002% cadmium by mass.

Hg = Battery contains more than 0.0005% mercury by mass.



2. PRODUCT DESCRIPTION

⚠ WARNING

Never use the videoscope for medical purposes or in another way than intended!

2.1 KL-0880-10 K Videoscope (Ø 3.9mm)

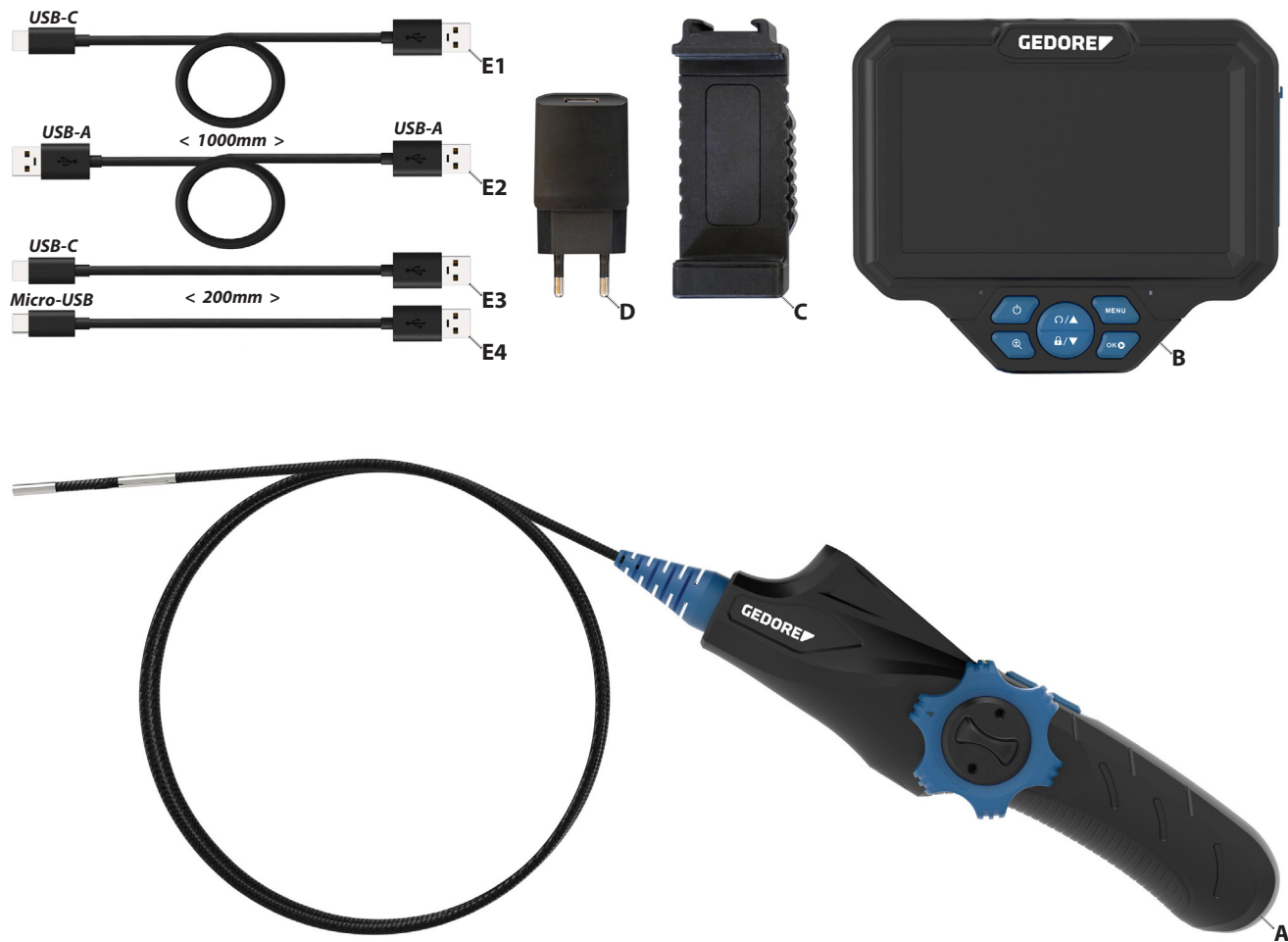
Universally applicable on cars, vans, commercial vehicles, buses, construction machinery, agricultural machinery.

The slim videoscope enables quick and easy inspection of extremely difficult-to-access components on motor vehicles. For example, for professional damage analysis on engines, transmissions, intake and cooling systems, exhaust systems, body parts and much more.

- Extremely slim Ø 3.9mm micro camera
- High-resolution CMOS image sensor with 1280x720 pixels
- Adjustable 6-fold LED camera illumination
- Camera lens IP67 dust and water protected
- High camera movement radius of up to 180° through 2-way joint
- Particularly convenient and flexible one-hand operation with rotary knob
- Live viewing via large 5.0" colour display
- Display with zoom, rotate and mirror function
- Clear menu navigation in 12 different languages
- Professional photo and video documentation with date and time stamp
- High storage capacity with removable 8 GB microSD card
- Connection with smartphone, tablet and laptop etc. possible
- Automatic switch-off function to save energy
- Running time of approx. 3 hours thanks to lithium polymer battery
- Direct playback of photos and videos on the display

2.2 Specifications

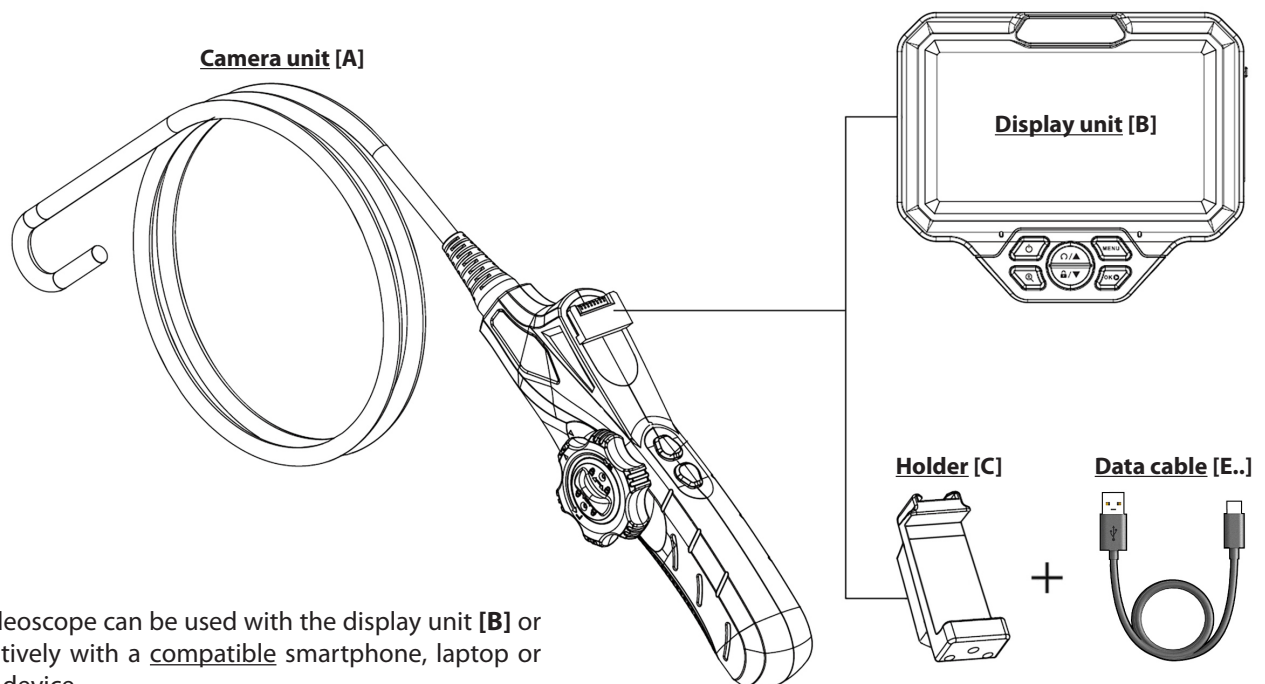
Micro camera:	Ø 3.9mm
Swivel range 2-way joint:	Up to 180°
Recording sensor:	1/9" Digital CMOS
Photo format:	1280x720 (.jpg)
Video format:	1280x720 / 25 fps (.mov)
Angle of view:	80°
Focal length:	20 - 50mm
Display:	TFT 5" (127mm)
Display interface:	USB-C
Camera interface:	USB-A
Length of camera sensor cable:	1000mm
Camera protection class:	IP67
Lighting camera:	6x SMD LED
Memory:	8 GB microSD card
Battery:	3.7 V lithium polymer battery (5000mAh)
Battery life:	approx. 3 hours
Max. permissible charging voltage/current:	5V / 2A
Temperature range:	-10 up to +60°C



2.3 Scope of delivery

Item	Part no.	Description	Quantity
A	KL-0880-1001	Handle with camera unit	1
B	KL-0880-1002	Display unit with 3.7 V lithium polymer battery (5000mAh)	1
-	-	microSD card (8 GB)	1
C	-	Holder for smartphone	1
D	-	Power supply unit	1
E	-	Data and charging cable	-
E1	-	Data and charging cable USB-C for display unit	1
E2	-	Data cable USB-A for laptop	1
E3	-	Data cable USB-C (OTG) for smartphone	1
E4	-	Data cable Micro-USB (OTG) for smartphone	1
-	-	Microfibre cloth for camera lens	1
-	KL-0880-1090	Storage bag	1

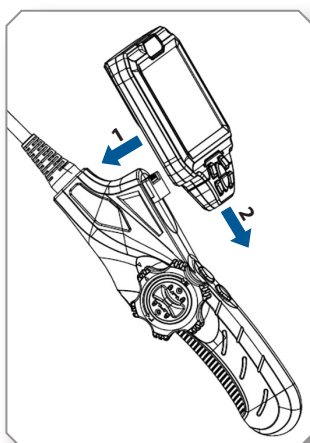
3. PREPARE THE VIDEOSCOPE



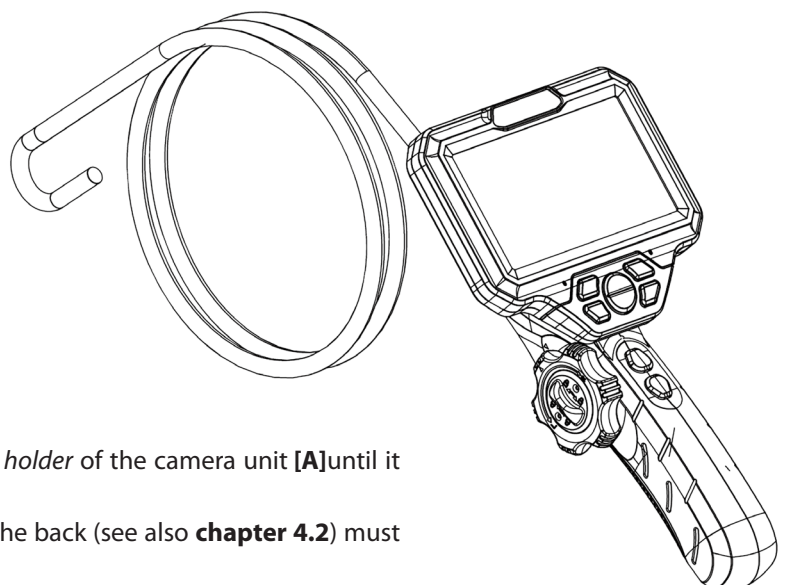
① The videoscope can be used with the display unit **[B]** or alternatively with a compatible smartphone, laptop or similar device.

- When using the display unit **[B]**, see **chapter 3.1**
- When using a smartphone, laptop or similar device, see **chapter 3.2**

3.1 When using the display unit



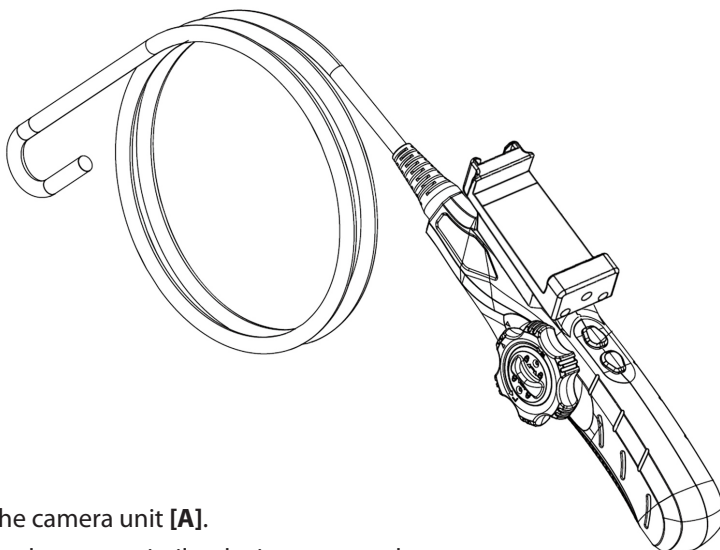
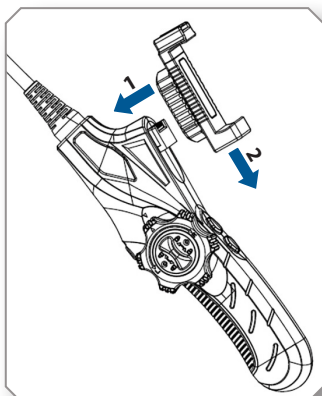
① The display unit **[B]** has a permanently installed lithium polymer battery. Charge it using the enclosed mains adapter **[D]** with charging cable **[E1]**.



1. Place the display unit **[B]** completely on the *display holder* of the camera unit **[A]** until it clicks into place.

① To remove the display unit **[B]** again, the *release* on the back (see also **chapter 4.2**) must also be actuated!

3.2 When using a smartphone, laptop or similar device



1. Place the holder [C] completely on the *display holder* of the camera unit [A].

① The holder [C] is used to hold a smartphone. When using a laptop or similar device, protect the contacts on the *display holder* from dirt and damage!

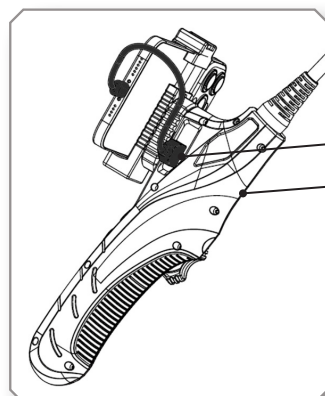
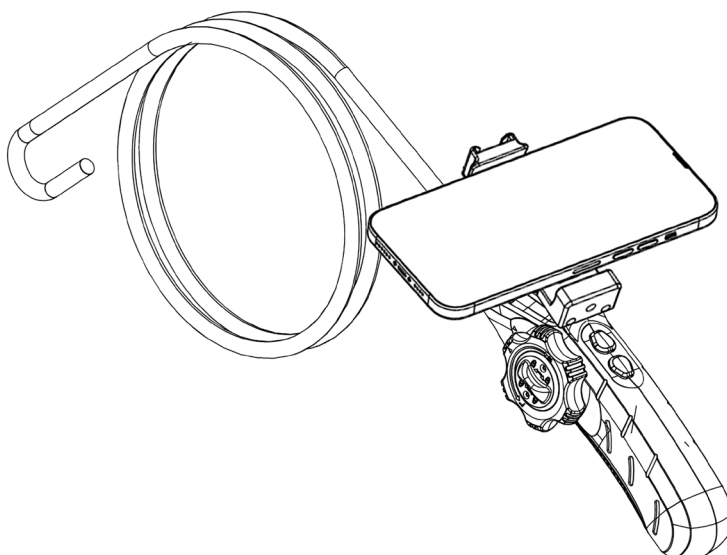
2. Download and install the appropriate videoscope software by scanning the QR code or using the web address below.

① Alternatively, you can also use another compatible videoscope software.



<https://drive.google.com/drive/folders/1rmAC9CFPTFCmdCNRqPMHNzTcSVJceR7K>

3. If using a smartphone, insert it in the correct position on the holder [C].



Data cable [E.]

Camera unit [A]

4. Connect a suitable data cable [E.] to the camera unit [A] and the end device (smartphone, laptop or similar device).

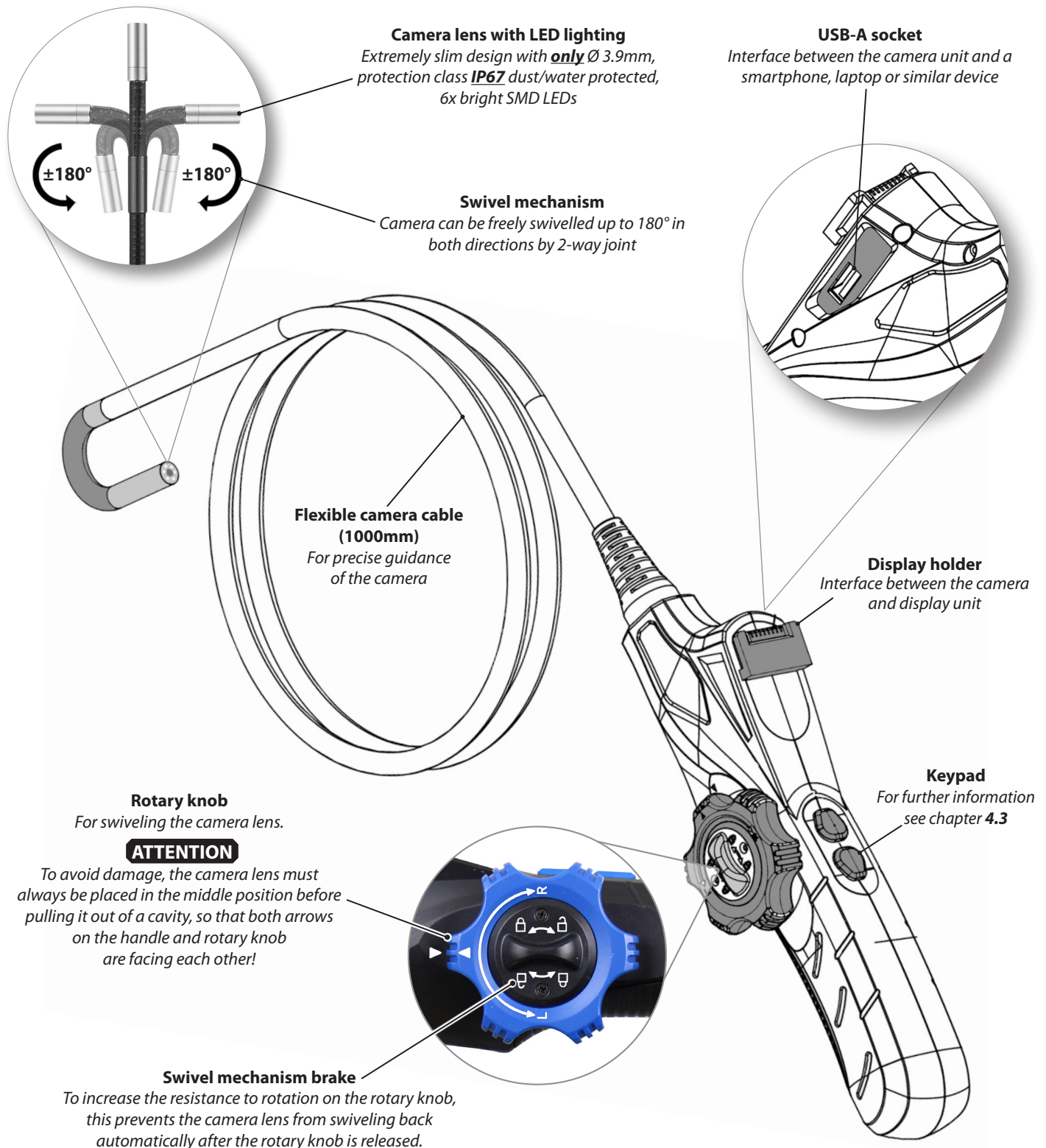
① Please note that a connection with mobile devices is **only** possible by using a USB **OTG (On-The-Go)** cable!

4. OPERATION AND FUNCTION OVERVIEW

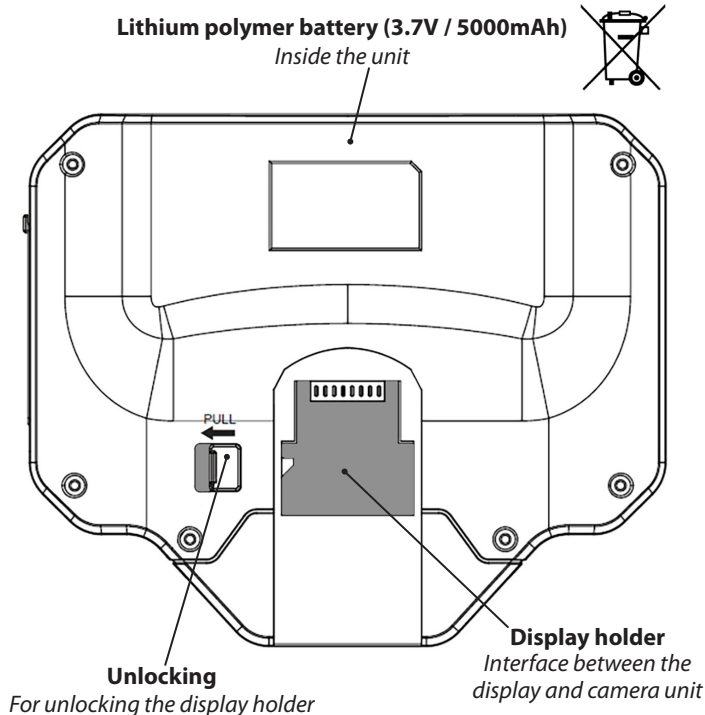
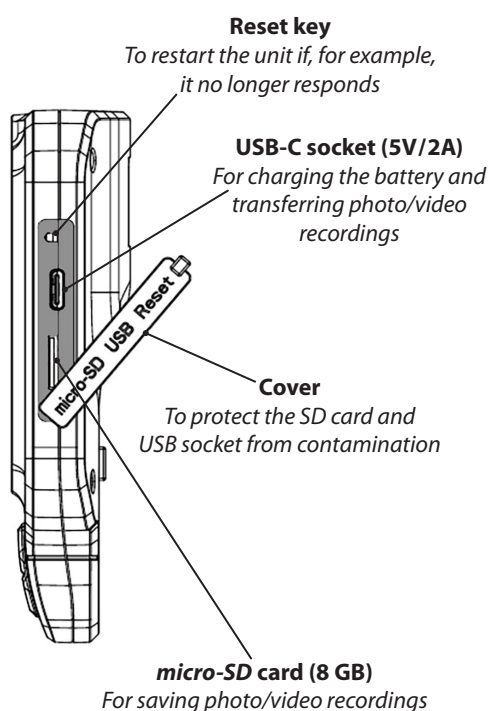
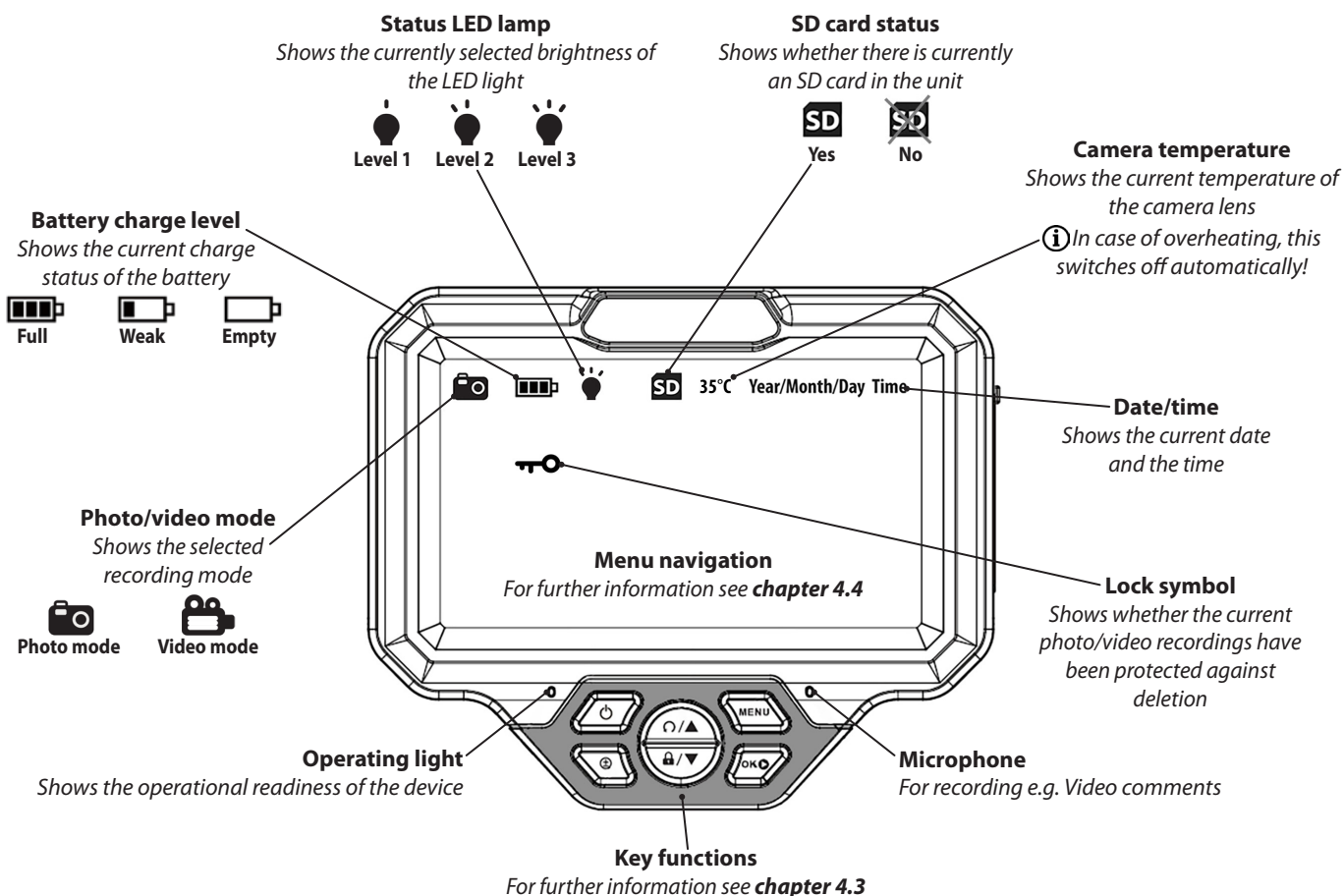
This operation and function overview shows basic components, designations and information on using the videoscope when using the camera unit [A] together with the display unit [B].

When using a smartphone, laptop or similar device, the operation of the videoscope basically follows the same principle, but without the use of the display unit [A].

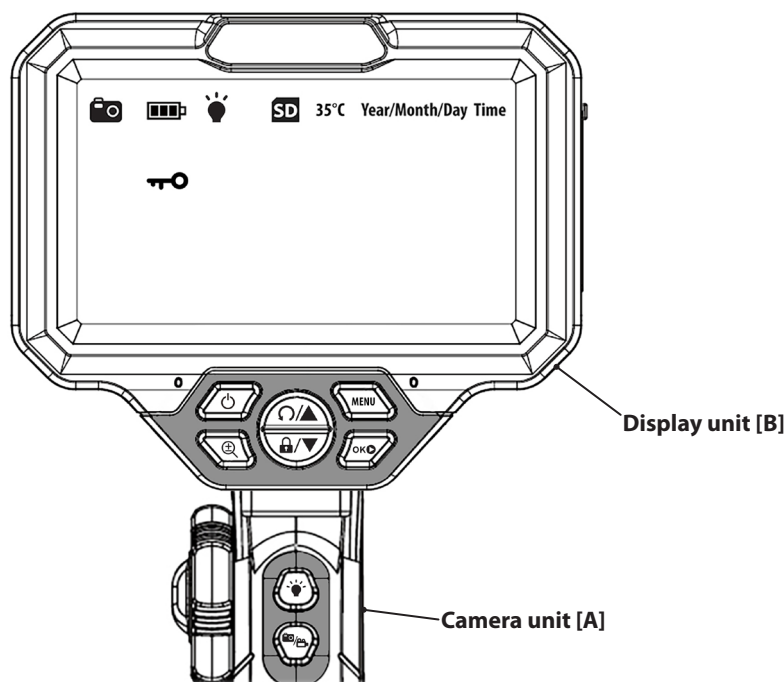
4.1 Overview of handle with camera unit



4.2 Overview of display unit



4.3 Overview of key functions



- Power** Switch on videoscope: Press the key for **2 seconds**.
 Switch off the videoscope: Press the key for **2 seconds**.
 Adjust the brightness of the display: **Briefly** press the key.
- LED** Switch the camera LED on/off + adjust the brightness: **Briefly** press the key.
- Zoom** Enlarge the display: **Briefly** press the key.
- Rotate** Rotate/mirror the display: **Briefly** press the key.
- Up** Position up (in the device menu): **Briefly** press the key.
 Next picture (in the photo/video gallery): **Briefly** press the key.
- Lock** Switching between still image and live image: **Briefly** press the key.
- Down** Position down (in the device menu): **Briefly** press the key.
 Previous picture (in the photo/video gallery): **Briefly** press the key.
- Camera/Video** Switching between photo and video mode: Press the key for **2 seconds**.
 Take a photo (in photo mode): **Briefly** press the key.
 Start/stop video recording (in video mode): **Briefly** press the key.
 Switching from the photo/video gallery back to photo/video mode: **Briefly** press the key.
- OK** Switch to the photo/video gallery: **Briefly** press the key.
 Exit photo/video gallery: Press the key for **2 seconds**.
 View video recordings (in the photo/video gallery): **Briefly** press the key.
 Confirm selection (in the photo/video gallery + in the device menu): **Briefly** press the key.
- MENU** Change to the device menu: **Briefly** press the key.
 Delete/protect photo/video yourself recordings (in the photo/video gallery): **Briefly** press the key.
 Step back (in the photo/video gallery + in the device menu): **Briefly** press the key.

4.4 Overview of menu navigation

Photo mode: For taking photos during use.

Video mode: For recording videos during use.

Photo/video gallery: To view and edit the photos and videos you have taken.

- **Delete:** To delete individual or all photos and videos.
- **File protection:** To protect individual or all photos and videos, against accidental deletion.

Device menu: Use to set basic device functions.

- **Colour mode:** To change the display from colour to black and white.
- **Auto power off:** For setting the automatic device switch-off to save energy.
- **Language:** For setting the date and time.
- **Date/time stamp:** Turns off/on the date/time stamp on photo and video recordings.
- **Date/time display:** To turn off/on the date/time display on the screen.
- **Date/time:** For setting the date and time.
- **Factory setting:** To restore the factory settings.
- **Memory card:** To format the memory card.
- **Software version:** Displays the current software version.

4.5 Basic operation

ATTENTION

The camera lens can be damaged during use. To avoid damage, the camera lens must always be placed in the middle position before pulling it out of a cavity, so that both arrows on the handle and knob are facing each other!

Charge the battery of the display unit:

- The display unit [B] has an internal lithium polymer battery. Charge it via the *USB-C* socket on the display unit [B], using the enclosed power supply unit [D] and the charging cable [E1].

Use of the charging and data cable:

- The charging/data cable [E1] allows you to charge the battery on the display unit [B] and to transfer photos and video recordings to a laptop or similar device with a *USB-A* socket.
- The data cable [E2] enables a direct connection from the camera unit [A] to a laptop or similar device with *USB-A* socket. Required if a laptop or similar device is used instead of the display unit [B]!
- The data cable [E3] enables a direct **USB OTG*** connection from the camera unit [A] to a smartphone with *USB-C* socket. Required if a smartphone is used instead of the display unit [B]!
- The data cable [E4] enables a direct **USB OTG*** connection from the camera unit [A] to a smartphone with *Micro-USB* socket. Required if a smartphone is used instead of the display unit [B]!

USB OTG* = USB On-The-Go: These special USB cables enable a direct live connection to the camera unit [A]. This allows the live image of the camera to be shown directly on the display of the smartphone using a software app.

Switch on videoscope:

- First prepare the videoscope as described in **chapter 3.1**.
- To switch on the videoscope, press and hold the key  on the display unit **[B]** for 2 seconds. You are now automatically in **photo mode**.

Adjust the brightness of the display:

- The brightness of the display can be adjusted in 3 steps by briefly pressing the key .

Enlarge the display:

- The display can be enlarged in 3 steps by briefly pressing the key .

Rotate or mirror the display:

- The display can be rotated and mirrored in 3 steps by briefly pressing the key . Particularly helpful for easily identifying part numbers in inaccessible places, e.g. when they are upside down.

Use photo mode:

- After switching on the display unit **[B]**, you are automatically in photo mode, which shows the current live view of the camera.
- To take a photo, simply press the key  on the camera unit **[A]** briefly. This is then automatically saved in the photo/video gallery.

Use video mode:

- To switch to video mode, press and hold the key  for 2 seconds in photo mode. Like photo mode, video mode shows the current live view of the camera.
- To start or stop a video recording, simply press the key  on the camera unit **[A]** briefly. This is then automatically saved in the photo/video gallery.

Switching between photo and video mode:

- To switch between photo and video mode, press and hold the key for 2 seconds  at a time.

Pivot the camera:

- To swivel the camera, turn the knob clockwise or anticlockwise. Always turn it without force to avoid damaging the panning mechanism. Due to various factors such as temperature, the angle of the camera cable and the speed at which the knob is operated, the maximum possible panning range of up to 180° may vary slightly.
- The camera swivel mechanism can also be locked in stages to prevent the camera from swivelling back to its original position. To lock the swivel mechanism, turn the lock counterclockwise and to release it, turn it clockwise.

Open photo/video gallery:

- To switch to the photo/video gallery, briefly press the key **OK**  in photo/video mode. In the photo/video gallery, you can view the photos and videos, delete them or save them against accidental deletion.
- By pressing the keys  and , you can browse through the stored recordings.
- You can play back video recordings simply by briefly pressing the key **OK** .
- By pressing the **MENU** key, you can either delete the saved recordings or protect them against accidental deletion and confirm with the key **OK** .

Switch the camera LED on or off and select the brightness level:

- The LED on the camera can be switched on or off and the brightness can be adjusted in 3 steps by briefly pressing the key .

Transfer photo and video recordings to a laptop or a similar device:

- The stored photo and video data can be transferred to a laptop or similar device by removing the SD card or connecting the display unit [B] with the enclosed data cable [E1] via the *USB-C* socket.

Make settings in the device menu:

- To switch to the device menu, briefly press the **MENU** key in photo/video mode. There you will find all settings for the basic functions of the device, see also **chapter 4.4**.
- Now select the corresponding setting with the keys  and  and open it by pressing the key **OK** .
- You can go back one step at any time by pressing the **MENU** key.
- To exit the device menu, simply press the key briefly /.

Restore to factory settings:

- To access the factory settings, you must go to the device menu by briefly pressing the **MENU** key.
- Now use the keys  and  to select "**Factory settings**" and open it by pressing the key **OK** .
- You can go back one step at any time by pressing the **MENU** key.
- To exit the device menu, simply press the key briefly /.

Switch off the videoscope:

- Press the key  for 2 seconds to switch off the videoscope.

Using the camera unit with a smartphone, laptop or similar device:

- When using a smartphone, laptop or similar device, only the camera unit [A] without the display unit [B] is used and operated via the corresponding software interface on the end device.
- First prepare the camera unit [A] as described in **chapter 3.2**.
- The LED on the camera can be switched on or off by briefly pressing the key  and the brightness can be adjusted in 3 steps.
- Depending on the end device, a photo or video can be taken by briefly pressing the key /.

What to do if the display remains dark:

- Battery empty? The battery lasts about 3 hours, charge it sufficiently before use.
- Camera lens dirty? Dirt can clog the camera lens, clean it with a microfiber cloth.
- Camera lens overheated? When inspecting hot engine parts, the camera lens can temporarily switch itself off if it overheats. Allow it to cool down sufficiently before it switches on again.

5. EC DECLARATION OF CONFORMITY / UK DECLARATION OF CONFORMITY

EC DECLARATION OF CONFORMITY (Translation)

Name and address of the manufacturer

GEDORE Automotive GmbH
 Breslauer Straße 41
 78166 Donaueschingen, GERMANY



We hereby declare that the product described below

Bezeichnung: Videoscope

Serie / Typ: KL-0880-10 K

conforms to all relevant provisions of the **Electromagnetic Compatibility (EMC) Directive 2014/30/EU** on the harmonisation of the laws of the Member States relating to electromagnetic compatibility, the **Low Voltage (LVD) Directive 2014/35/EU** on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits and the **Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU and 2015/863/EU (RoHS III)** on the restriction of the use of certain hazardous substances in electrical and electronic equipment. The declaration loses its validity if the product is converted or modified without our consent.

Applied harmonised EN standards:

EN 55011:2016+A1:2019 - *Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement*

EN 55024:2010+A1:2015 - *Information technology equipment - Immunity characteristics - Limits and methods of measurement*

EN 55032:2015 - *Electromagnetic compatibility of multimedia equipment - Emission Requirements*

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+AC:2011+A2:2013 - *Information technology equipment - Safety - Part 1: General requirements*

EN 61000-3-2:2014 - *Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)*

EN 61000-3-2:2019 - *Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)*

EN 61000-3-3:2013+A1:2019 - *Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection*

EN 61000-6-1:2019 - *Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial and light-industrial environments*

Other technical standards and specifications applied:

EN IEC/IEEE 82079-1:2020 - *Preparation of information for use (instructions for use) of products - Part 1: Principles and general requirements*

Authorised representative of GEDORE Automotive GmbH for the compilation of all technical documents:

Head of product development, Breslauer Straße 41, 78166 Donaueschingen, GERMANY

Donaueschingen, 30 March 2023

ppa. Michael Wehler, Head of Global Business Development, GEDORE Automotive GmbH

UK DECLARATION OF CONFORMITY (Original UK Declaration of conformity)**Name and address of manufacturer**

GEDORE Automotive GmbH
Breslauer Straße 41
78166 Donaueschingen, GERMANY



We hereby declare that the product described below

Designation: Videoscope

Series / Type: KL-0880-10 K

conforms to all relevant provisions of the **Electromagnetic Compatibility Regulations 2016** on the harmonisation of the laws of the Member States relating to electromagnetic compatibility, the **Electrical Equipment (Safety) Regulations 2016** on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits and the **Electrical and Electronic Equipment Regulations 2012 (as amended)** on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

The declaration loses its validity if the product is converted or modified without our consent.

Designated (UK) or harmonised (NI) standards applied:

BS EN 55011:2016+A1:2019 - *Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement*

BS EN 55024:2010+A1:2015 - *Information technology equipment - Immunity characteristics - Limits and methods of measurement*

BS EN 55032:2015 - *Electromagnetic compatibility of multimedia equipment - Emission Requirements*

BS EN 60950-1:2006+A2:2013 - *Information technology equipment - Safety - Part 1: General requirements*

BS EN 61000-3-2:2014 - *Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)*

BS EN IEC 61000-3-2:2019 - *Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)*

BS EN 61000-3-3:2013+A1:2019 - *Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection*

BS EN 61000-6-1:2019 - *Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial and light-industrial environments*

Other technical standards and specifications applied:

EN IEC/IEEE 82079-1:2020 - *Preparation of information for use (instructions for use) of products - Part 1: Principles and general requirements*

Authorised representative for compiling the technical documents:

GEDORE Torque Ltd. / Tannery Ln, Gosden Common / Guildford GU5 0AJ, United Kingdom

Donaueschingen, 30 March 2023

ppa. Michael Wehler, Head of Global Business Development, GEDORE Automotive GmbH

GEDORE Automotive GmbH

Breslauer Str. 41
78166 Donaueschingen / GERMANY
Tel: +49 771 83 223 0
Fax: +49 771 83 223 90
www.gedore-automotive.com

GEDORE Headquarter:

GEDORE Werkzeugfabrik GmbH & Co. KG

Remscheider Str. 149
42899 Remscheid / GERMANY
Tel: +49 2191 596 900
Fax: +49 2191 596 999
www.gedore.com

GEDORE International:

GEDORE Torque Solutions GmbH

Bertha-Benz-Straße 12
71665 Vaihingen/Enz
GERMANY
Tel: +49 70 42 94 41 0
Fax: +49 70 42 9441 41
www.gedore-torque-solutions.com

GEDORE France SARL

Parc d'activités des Béthunes – La Mare II 10, avenue du Fief – Bâtiment 12
BP 79144 - Saint-Ouen-L'Aumône / 95074 CERGY PONTOISE CEDEX
FRANCE
Tél: +33 1 34 40 16 60
Fax: +33 1 34 40 16 61
www.gedore.fr

GEDORE Polska Sp. z o.o.

Żwirki i Wigury 56, Mikołów
POLAND
Tel: +48 32 738 40-10
Fax: +48 32 738 40-20
www.gedore.pl

GEDORE Tools South Africa (PTY) Ltd.

103 Qashana Khuzwayo Road, Durban / Kwazulu-Natal
New Germany, 3610
SOUTH AFRICA
Tel: +27 3 17 05 35 87
Fax: +27 3 17 05 47 35
www.gedore.co.za

GEDORE Tool Trading Co., Ltd. Shanghai, China

1/F., Block 2, 1358 Pingan Road
Minhang, Shanghai, China 201109
CHINA
Tel: +86 21 33 88 72-58
Fax: +86 21 33 88 72-59
www.gedore.cn

GEDORE Ibèrica S.L., Spain

c/Arangutxi 12, Poligono Industrial de Júndiz
01015 Vitoria Alava
SPAIN
Tel: +34 945 292 262
Fax: +34 945 292 199
www.gedore.es

GEDORE AUSTRIA GmbH

Gedore-Straße 1
8190 Birkfeld
AUSTRIA
Tel: +43 3174 3636 0
Fax: +43 31 74 36 38 320
www.gedore.at

GEDORE Technag BV, Netherlands

Flemingweg 7
2408 AV Alphen aan Den Rijn
NETHERLANDS
Tel: +31 1 72 42 73 50
Fax: +31 1 72 42 73 60
www.gedore.nl

GEDORE India Pvt. Ltd.

Plot No. 148, Sector-3, IMT Manesar
Gurugram, Haryana-122051
INDIA
Tel: +91 124 4087979
www.gedore.in

Ferramentas GEDORE do Brasil S.A.

Rua Vicentina Maria Fidélis, 275 Bairro Vicentina
São Leopoldo - RS - CEP: 93025-340
BRASIL
Tel: +51 35 89 92 00
Fax: +51 35 89 92 22
www.gedore.com.br

GEDORE UK Ltd.

Marton St, Skipton
North Yorkshire BD23 1TF
UNITED KINGDOM
Tel: +44 17 56 70 67 00
Fax: +44 17 56 79 80 83
www.gedoreuk.com

GEDORE Tools Inc. USA

300 Langner Rd., Suite 250
West Seneca, NY 14224
USA
Tel: +1 843 225 5015
www.gedoretools.com