



BOSCH

PRO

GIC 4-23 C | GIC 5-27 C

Robert Bosch Power Tools GmbH
70538 Stuttgart
GERMANY

www.bosch-pt.com

1 609 92A 8HH (2026.05) T / 15

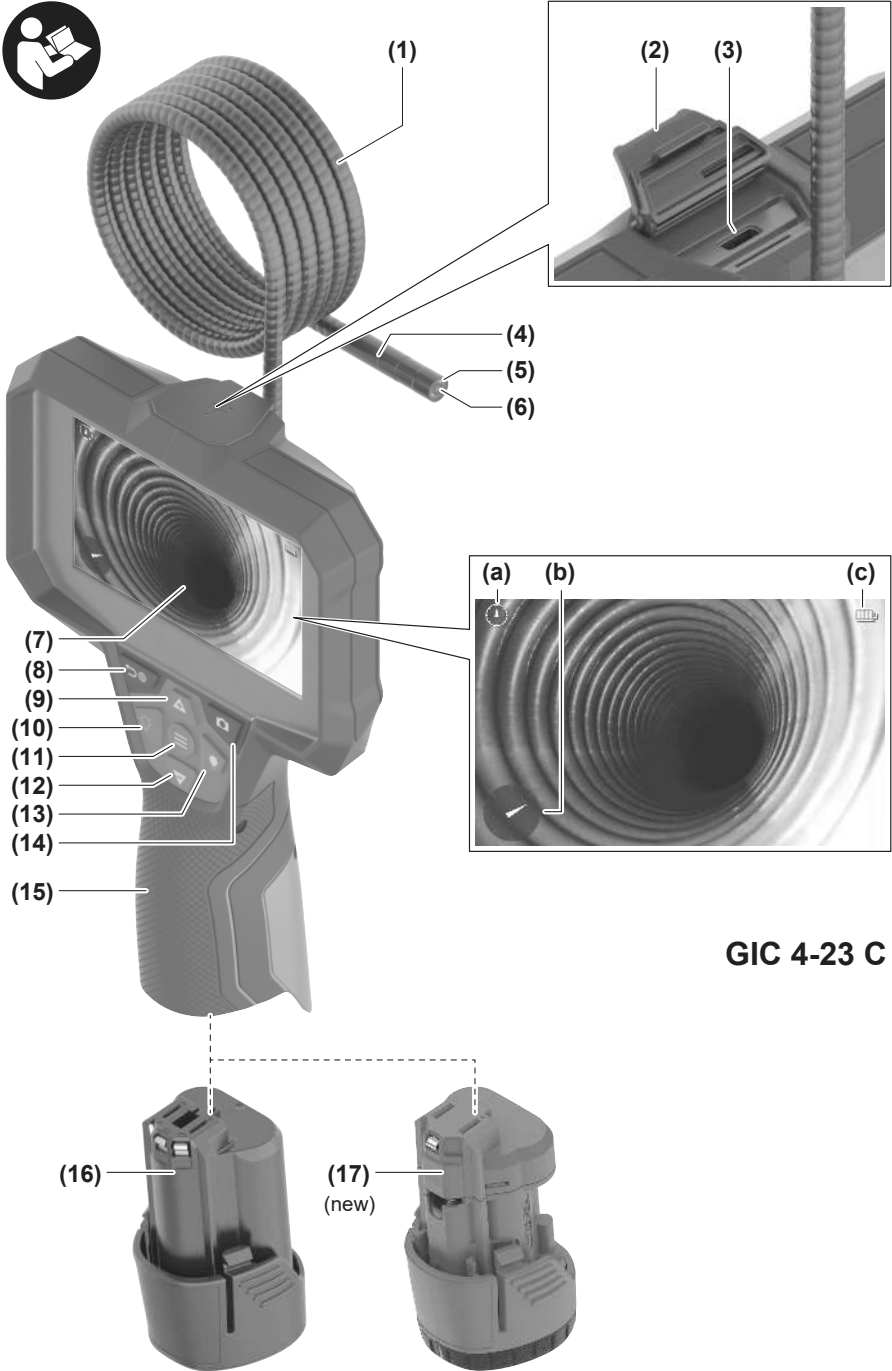


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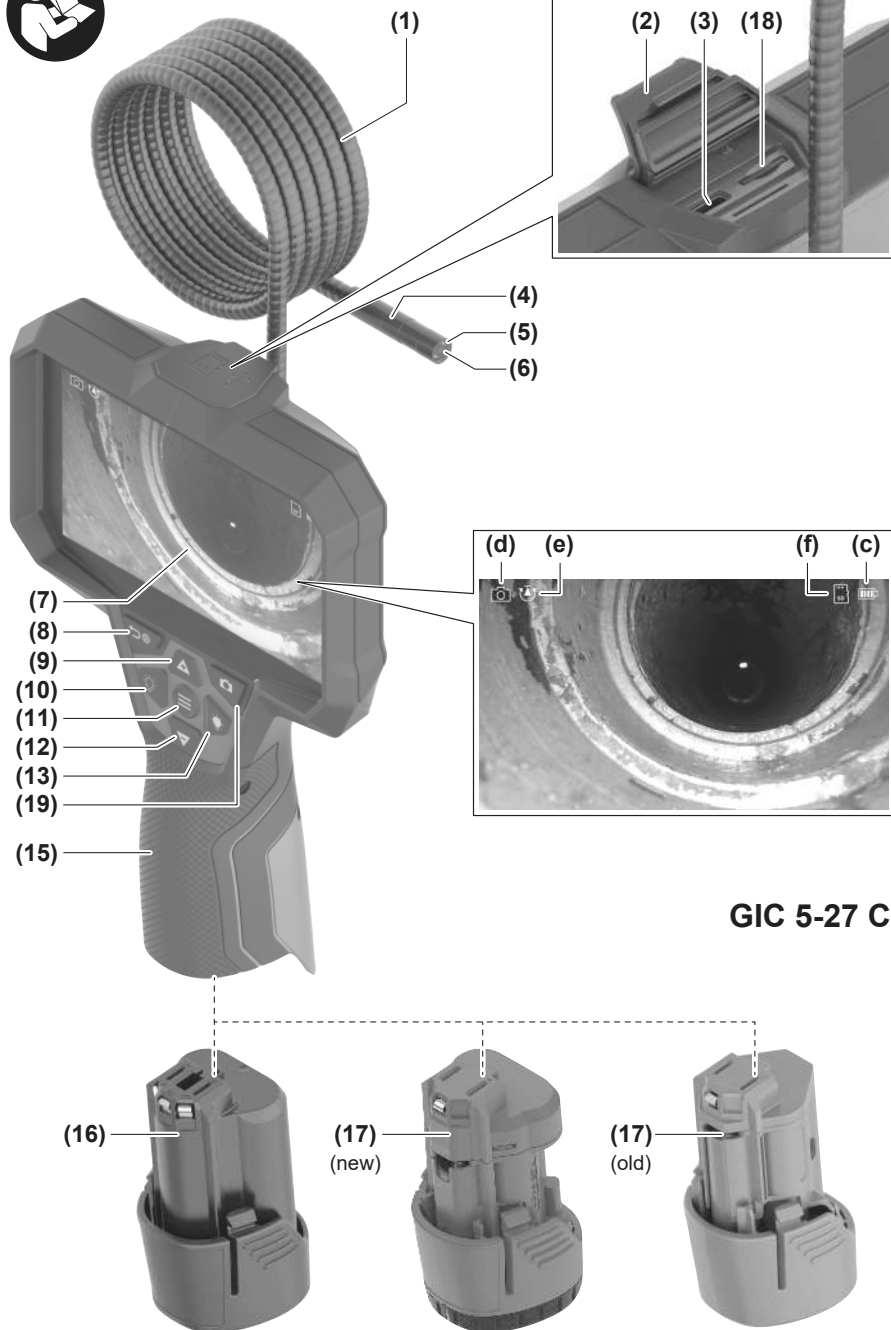


en Original instructions

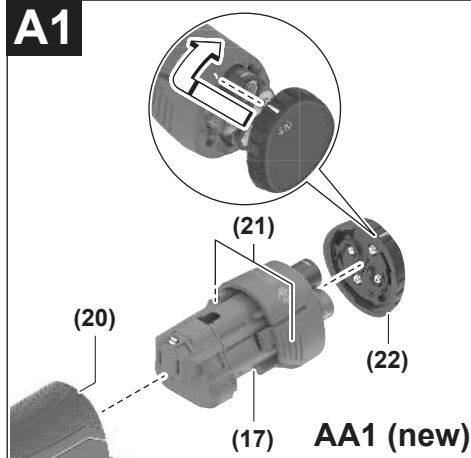
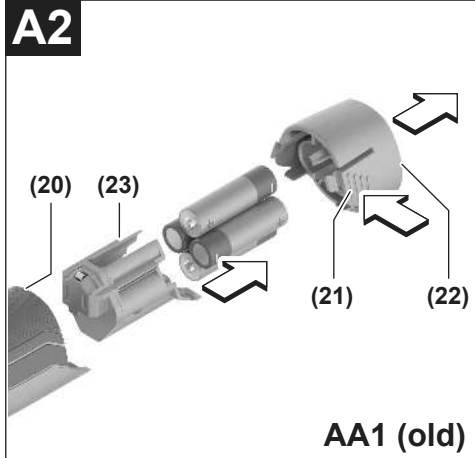
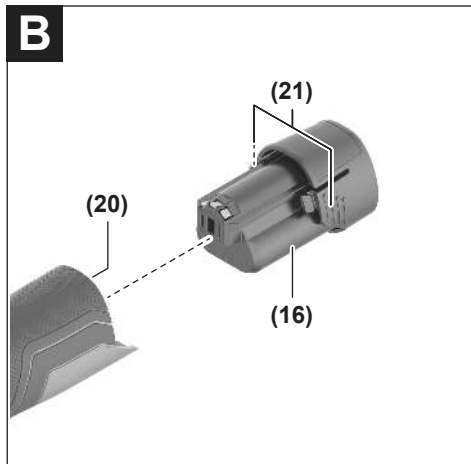
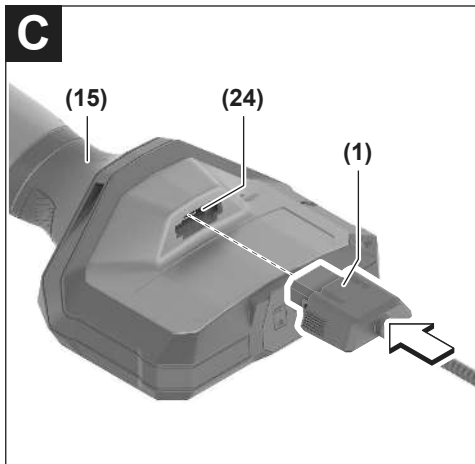
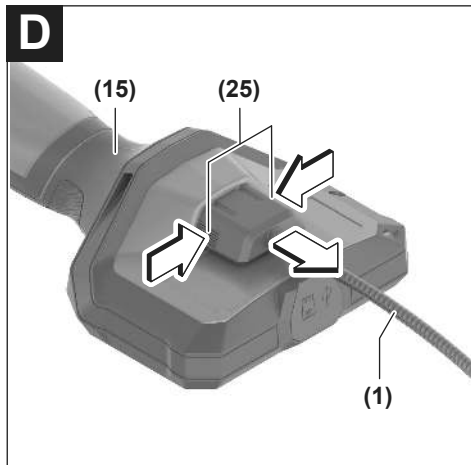
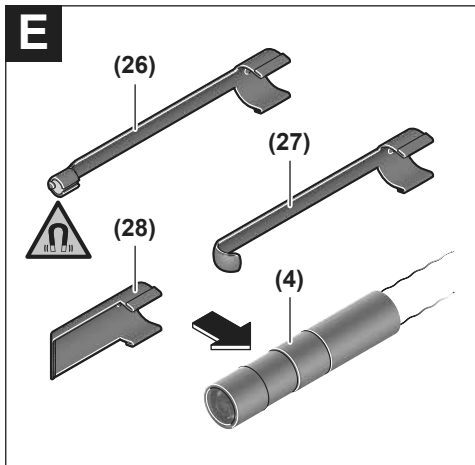


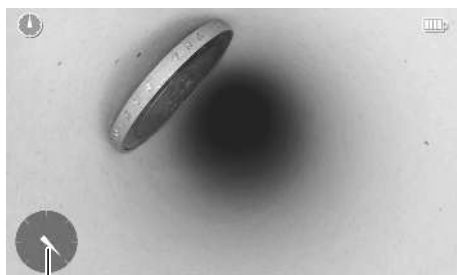


GIC 4-23 C

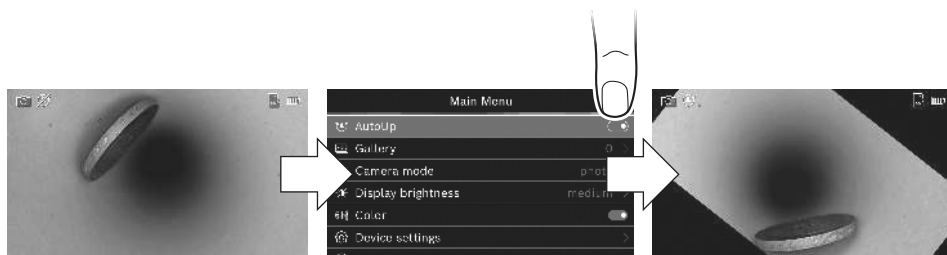
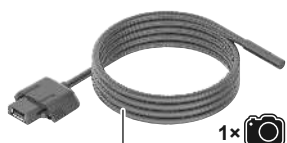


GIC 5-27 C

A1**A2****B****C****D****E**

F

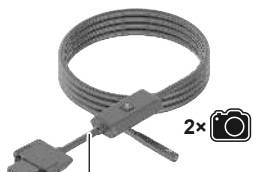
(b)

GIC 4-23 C**G****GIC 5-27 C**

1 600 A02 R6M (Ø 8.3 mm/1.5 m)
 1 600 A02 R6P (Ø 8.3 mm/3.5 m)
 1 600 A02 Z63 (Ø 3.9 mm/1.5 m)

**(29)**

(30)
 (GIC 5-27 C)



1 600 A02 Z61 (Dual Camera/1.5 m)

**(31)**

English

Safety instructions



All instructions must be read and observed. The safeguards integrated into the inspection camera may be compromised if the inspection camera is not used in accordance with these instructions. **STORE THESE INSTRUCTIONS IN A SAFE PLACE.**

STRUCTIONS IN A SAFE PLACE.

- ▶ **Have the inspection camera repaired only by a qualified repair person and only using identical replacement parts.** This will ensure that the safety of the inspection camera is maintained.
- ▶ **Do not operate the inspection camera in explosive atmospheres, such as in the presence of flammable liquids, gases or dusts.** Sparks can be created in the inspection camera which may ignite the dust or fumes.
- ▶ **Remove the rechargeable battery from the inspection camera before carrying out any work on the inspection camera (e.g. assembly, maintenance, etc.) as well as when transporting and storing the inspection camera.**
- ▶ **Remove the batteries from the inspection camera when not using it for longer periods.** The batteries can corrode during prolonged storage in the inspection camera.
- ▶ **Do not direct the light beam at persons or animals and do not stare into the light beam yourself (even from a distance).**
- ▶ **Check the work area before using the inspection camera.** No part of the inspection camera may come into contact with electrical cables, moving parts or chemical substances. Interrupt the electric circuit of electrical cables running through the work area. These measures reduce the risk of explosions, electric shock and damage to property.
- ▶ **Wear appropriate personal protective equipment like protective goggles, protective gloves or a protective mask, if there are substances harmful to health in the work area.** Sewers or similar areas can contain solid, liquid or gaseous substances that are poisonous, infectious, corrosive or otherwise harmful to health.
- ▶ **Pay particular attention to cleanliness if you work in areas with substances harmful to health. Do not eat during work.** Avoid contact with substances harmful to health, and clean hands and other body parts that could have come into contact with them with hot soapy water after work. This reduces the danger to health.
- ▶ **Do not stand in water if you are using the inspection camera.** Working in water poses a risk of electric shock.
- ▶ **Do not modify or open the battery.** There is a risk of short-circuiting.
- ▶ **In case of damage and improper use of the battery, vapours may be emitted. The battery can set alight or ex-**

plode. Ensure the area is well ventilated and seek medical attention should you experience any adverse effects. The vapours may irritate the respiratory system.

- ▶ **If used incorrectly or if the battery is damaged, flammable liquid may be ejected from the battery. Contact with this liquid should be avoided. If contact accidentally occurs, rinse off with water. If the liquid comes into contact with your eyes, seek additional medical attention.** Liquid ejected from the battery may cause irritation or burns.
- ▶ **The battery can be damaged by pointed objects such as nails or screwdrivers or by force applied externally.** An internal short circuit may occur, causing the battery to burn, smoke, explode or overheat.
- ▶ **When the battery is not in use, keep it away from paper clips, coins, keys, nails, screws or other small metal objects that could make a connection from one terminal to another.** A short circuit between the battery terminals may cause burns or a fire.
- ▶ **Only use the battery with products from the manufacturer.** This is the only way in which you can protect the battery against dangerous overload.
- ▶ **Only charge the batteries using chargers recommended by the manufacturer.** A charger that is suitable for one type of battery may pose a fire risk when used with a different battery.



Protect the rechargeable battery against heat, e.g. including prolonged sun exposure, fire, water, and moisture. There is a risk of explosion and short circuit.



Keep the magnetic accessories away from implants and other medical devices, e.g. pacemakers or insulin pumps. The magnets in the accessories generate a field that can impair the function of implants and medical devices.

- ▶ **Keep the magnetic accessories away from magnetic data storage media and magnetically-sensitive devices.** The effect of the magnets in the accessories can lead to irreversible data loss.

Product Description and Specifications

Please observe the illustrations at the beginning of this operating manual.

Intended Use

The digital inspection camera is suitable for inspecting areas that are dark or difficult to access. It is also suitable for moving and removing small and light objects (e.g. small screws) after fitting the supplied accessories on the camera head.

The digital inspection camera must not be used for medical purposes. It is likewise not intended for removing pipe blockages or installing cables.

Product Features

The numbering of the product features refers to the representation of the inspection camera on the graphic pages.

- (1) Camera cable
- (2) Top flap
- (3) USB Type-C® port^{a)}
- (4) Camera head
- (5) Illumination light in the camera head
- (6) Camera lens
- (7) Display
- (8) On/off button
- (9) Up button
- (10) Left-hand button
- (11) Centre button
- (12) Down button
- (13) Right-hand button
- (14) Photo recording button **(GIC 4-23 C)**
- (15) Handheld device
- (16) Rechargeable battery^{b)}
- (17) AA1 battery adapter
- (18) Slot for micro-SD card **(GIC 5-27 C)**
- (19) Photo/video recording button **(GIC 5-27 C)**
- (20) Port

- (21) Release button
- (22) Battery adapter cap
- (23) Battery adapter cover (battery adapter, old version)
- (24) Camera connection
- (25) Locking mechanism for camera cable
- (26) Magnet
- (27) Hook
- (28) Mirror
- (29) USB Type-C® cable
- (30) Micro-SD card^{b)} **(GIC 5-27 C)**
- (31) Protective bag

a) USB Type-C® and USB-C® are trademarks of USB Implementers Forum.

b) **This accessory is not part of the standard scope of delivery.**

Display Elements

- (a) Status indicator function **Up Indication (GIC 4-23 C)**
- (b) Direction indicator function **Up Indication (GIC 4-23 C)**
- (c) Battery charge indicator for rechargeable battery/non-rechargeable batteries
- (d) Recording mode symbol **(GIC 5-27 C)**
- (e) Status indicator function **AutoUp (GIC 5-27 C)**
- (f) Micro-SD card status indicator **(GIC 5-27 C)**

Technical Data

Digital inspection camera		GIC 4-23 C	GIC 5-27 C
Article number		3 601 B41 5K0	3 601 B41 4K0
Display size	"	4.3	5
Display resolution	px	800 × 480	1280 × 720
Resolution of camera/image files ^{A)(B)}	px	1280 × 720	
Camera resolution, photo and video files ^{A)}	px		1280 × 720
Screenshot format		JPG	JPG
Video format		–	AVI
Video frame rate			
– Without AutoUp function	fps	–	20
– With AutoUp ^{A)} function	fps	–	7
Max. number of photos in internal memory		30	30
Field of view ^{A)(C)}	°	75	75
Focus distance ^{A)}	mm	30–80	30–80
Max. luminous intensity of the illumination light in the camera head ^{A)(D)}	lx	200	200
Max. immersion time for camera head/cable in diesel, engine oil, ethyl alcohol, petrol, AdBlue® or salt water (26.5% salt content) ^{A)}	min	30	30
Power supply			
– Rechargeable battery (Li-ion)		10.8 V/12 V	10.8 V/12 V

Digital inspection camera		GIC 4-23 C	GIC 5-27 C
– Non-rechargeable batteries (alkaline manganese, with battery adapter)		4 × 1.5 V LR6 (AA)	4 × 1.5 V LR6 (AA)
– Rechargeable batteries (NiMH, with battery adapter)		4 × 1.2 V HR6 (AA)	4 × 1.2 V HR6 (AA)
Operating time, approx.			
– With rechargeable battery (Li-ion) ^{E)}	h	8 ^{F)}	6 ^{G)}
– With non-rechargeable batteries (alkaline manganese)	h	3 ^{F)}	2 ^{G)}
– With rechargeable batteries (NiMH, 1.2 V)	h	3.5 ^{F)}	3 ^{G)}
Weight ^{H)}	kg	0.36	0.36
Dimensions (length × width × height) ^{F)}	mm	242 × 140 × 66	242 × 140 × 66
Camera head diameter ^{A)}	mm	8.3	8.3
Length of camera cable ^{A)}	m	1.5	1.5
Smallest bend radius of camera cable	mm	25	25
Protection rating of handheld device (without rechargeable battery/battery adapter)		IP54	IP54
Protection rating of camera head and camera cable ^{A)}		IP67	IP67
Recommended ambient temperature during charging	°C	0 to +35	0 to +35
Permitted ambient temperature during operation	°C	–10 to +50	–10 to +50
Permitted ambient temperature during storage (without a rechargeable battery)	°C	–20 to +70	–20 to +70
Compatible rechargeable batteries		GBA 10,8V... GBA12V... GBA 12V...	GBA 10,8V... GBA12V... GBA 12V...
Recommended battery chargers		GAL12... GAL 12... GAX18 ...	GAL12... GAL 12... GAX18 ...

A) With camera cable **GIC 4/5 Imager 8.3mm/1.5m**

B) Resolution 800 × 480, if the image is enlarged in the display or is displayed in black and white

C) Measured across the diagonal of the image

D) at 50 mm distance in a dark environment

E) with GBA 12V 2.0Ah

F) with camera display, with **Up Indication** function, average display brightness, illumination light with 50 % brightness

G) with camera display, with **AutoUp** function, average display brightness, illumination light with 50 % brightness

H) Weight without lithium-ion rechargeable battery/battery adapter/non-rechargeable batteries/camera cable (you can find the weight of the lithium-ion battery at www.bosch-professional.com.)

Assembly

Power supply

The inspection camera can be operated either with a **Bosch** lithium-ion rechargeable battery, with commercially available non-rechargeable batteries or with commercially available NiMH rechargeable batteries.

The battery charge indicator **(c)** will indicate the state of charge of the Li-ion battery, non-rechargeable batteries or NiMH batteries on the display.

Operation with battery adapter (see figures A1–A2)

The non-rechargeable or NiMH rechargeable batteries are inserted into the battery adapter.

► **The battery adapter is intended only for use in designated Bosch inspection cameras and must not be used with power tools.**

Battery Adapter, New Version (see figure A1):

Rotate the cap **(22)** of the battery adapter anticlockwise and remove the cap. Put the non-rechargeable or rechargeable batteries into the battery adapter **(17)**. Make sure that the polarity is correct and corresponds to the marking on the battery adapter.

Place the cap **(22)** back on the battery adapter. Pay attention to the markings on cap and battery adapter. Turn the cap clockwise to lock it in place.

To **insert** the battery adapter **(17)**, push it into the battery bay **(20)** until you feel it engage.

To **remove** the battery adapter (17), press the release buttons (21) and pull the battery adapter out of the battery bay (20).

Battery Adapter, Old Version (see figure A2):

To **insert** the non-rechargeable/rechargeable batteries, slide the receptacle (23) of the battery adapter into the bay (20). Place the non-rechargeable/rechargeable batteries in the receptacle as shown in the picture on the cap (22). Slide the cap over the cover until you feel it click into place and it is flush with the handle of the inspection camera.

To **remove** the non-rechargeable/rechargeable batteries, press the release buttons (21) of the cap (22) and pull off the cap. Pull out the cover (23) from inside the port (20).

Battery Adapter, Both Versions:

Always replace all the batteries at the same time. Only use batteries from the same manufacturer and which have the same capacity.

- **Remove the non-rechargeable/rechargeable batteries from the inspection camera when not using it for longer periods.** The non-rechargeable/rechargeable batteries can corrode during prolonged storage in the inspection camera.

Operation with Lithium-Ion Rechargeable Battery (see figure B)

- **Use only the chargers listed in the technical data.** Only these battery chargers are matched to the lithium-ion batteries of your inspection camera.

Note: Lithium-ion rechargeable batteries are supplied partially charged according to international transport regulations. To ensure full rechargeable battery capacity, fully charge the rechargeable battery before using your tool for the first time.

To **insert** the charged rechargeable battery (16), slide it into the port (20) until you feel it click into place and it is flush with the handle of the inspection camera.

To **remove** the battery (16), press the release buttons (21) and pull it out of the port (20). **Do not use force to do this.**

Recommendations for Optimal Handling of the Battery

Protect the battery against moisture and water.

Only store the battery within a temperature range of -20 to 50 °C. Do not leave the battery in your car in the summer, for example.

A significantly reduced operating time after charging indicates that the battery has deteriorated and must be replaced. Follow the instructions on correct disposal.

Fitting the camera cable (see figure C)

For operation of the inspection camera, the camera cable (1) must be fitted on the handheld device (15).

Push the connector of the camera cable (1) onto the camera connection (24) in the correct position until it clicks into place.

Removing the camera cable (see figure D)

To remove the camera cable (1), press the locking mechanism (25) and pull the connector out of the handheld device (15).

Fitting the mirror, magnet or hook (see figure E)

The mirror (28), the hook (27) or the magnet (26) can be fitted on the camera head (4) as accessories.

Push one of the three accessories, as shown in the figure, all the way onto the camera head (4).

Note: The magnet (26) and the hook (27) are only suitable for moving and removing loose, small and light objects. The inspection camera or the accessory can be damaged with too strong a pull.

Operation

- **Protect the handheld device and the rechargeable battery or battery adapter from direct sunlight. Protect the rechargeable battery or battery adapter against moisture.** The camera cable (1) and camera head (4) are watertight if assembled correctly; the handheld device (15) is splash-proof. However, the rechargeable battery (16) and the battery adapter are not protected against water. If they come into contact with water, there is a risk of electric shock or damage.
- **Do not use the inspection camera if the lens on the camera head (4) has fogged up. Switch the inspection camera on only if the moisture has evaporated.** The inspection camera may otherwise become damaged.
- **The switched-on light (5) can become hot during operation.** To avoid burns, do not touch the light.
- **Do not subject the inspection camera to extreme temperatures or variations in temperature.** For example, do not leave it in a car for extended periods of time. In case of large variations in temperature, allow the inspection camera to adjust to the ambient temperature before putting it into operation.

Starting Operation

Switching On and Off

To **switch on** the inspection camera, press the ON/OFF button (8) or the centre button (11).

Note: If the camera cable is not fitted when switching on, the display will show an error message.

To **switch off** the inspection camera, press the ON/OFF button (8) until the display switches off.

If no button on the inspection camera is pressed for a certain time, then the inspection camera will automatically switch itself off to preserve battery life. You can set the switch-off time in the main menu.

Regulating the illumination light in the camera head

To regulate the light, press the left-hand button (10) or the right-hand button (13) until it reaches the required brightness or the illumination light has switched off.

- ▶ **Do not look directly into the light (5) and do not direct the light onto other people.** The light can blind your eyes.

Zooming In/Out of the Image in the Display

To set the magnification level of the display view, press the up button (9) or the down button (12) until the required magnification level has been reached.

Main Menu

To access the **<Main menu>**, press the centre button (11).

Navigating in the menu

- To scroll through a menu: Press the up (9) or down (12) buttons.
- To switch to a submenu: Press the centre button (11) or the right-hand button (13).
- To confirm a selected menu option: Press the centre button (11).
- To switch a function with a virtual switch on or off : Either press the centre button (11), the right-hand button (13) or the left-hand button (10). This will also save the setting.
- To return to the previous, higher-level menu: Briefly press the ON/OFF button (8).
- To exit the main menu and return to the camera display: Briefly press the ON/OFF button (8).

Menu options

- **<Up Indication> (GIC 4-23 C):** Switch the function on or off.
When the **Up Indication** function is switched on, the arrow of the direction indicator (b), shows where "up" is in the image (see figure F).
Note: The function is not possible with all camera cables. The function is limited if a mirror (28) is fitted and/or with a vertically aligned camera cable (1).
- **<AutoUp> (GIC 5-27 C):** Switch the function on or off.
The **AutoUp** function rotates the image so that the "top" is shown at the top of the display (see figure G).
Note: The function is not possible with all camera cables. The function is limited if a mirror (28) is fitted and/or with a vertically aligned camera cable (1).
- **<Gallery> (GIC 4-23 C):** This is where recorded photos can be accessed.
You can select the required file based on its date using the down (12) or up (9) buttons.
Press the right-hand button (13) or the centre button (11) to see a preview of the selected photo.
To open the selected file, press the centre button (11).
- **<Gallery> (GIC 5-27 C):** This is where recorded photos and videos can be accessed.
You can select the required file based on its date using the down (12) or up (9) buttons.
Press the right-hand button (13) or the centre button (11) to see a preview of the selected photo or video.
To open the selected file, press the centre button (11).

Note: If a micro-SD card (30) is inserted, only files saved on this micro-SD card are displayed. To open photos from the internal storage, you must first remove the micro-SD card (30).

- **<Camera mode> (GIC 5-27 C):** Choose between **<Photo>** and **<Video>** for recordings.
- **<Display brightness>:** Set the required brightness for the display.
- **<Color>:** Switch between the colour view and black/white view of the display.
- **<Device settings>**
 - **<Date & time>:** You can set the date and time for saving files and select the date and time format.
Note: If the inspection camera is disconnected from the power supply for a very long time, the date and time will be deleted and have to be set again.
 - **<Language>:** Select the language used in the display.
 - **<Switch off after ...>:** Choose the time interval after which the inspection camera will switch off automatically if no button is pressed.
- **<Device info>:** Here you will find device information, such as the installed software version and legal information.
- **<Factory reset>:** You can reset all of the menu options to factory settings. This also simultaneously, permanently delete all of the saved files.

Saving/Transferring the Recordings (GIC 4-23 C)

Taking a Photo

Press the photo recording button (14) to take a photo of the current display view. The photos are stored in the internal memory of the inspection camera and can be transferred via USB Type-C®.

Data transfer via the USB Type-C® interface

Switch on the inspection camera to transfer data via the USB Type-C® interface. Open the flap for the USB Type-C® port (3). Connect the USB Type-C® port to your PC via the USB Type-C® cable (29).

Open the file browser on your PC and select the **Bosch_GIC** drive. The saved files can be copied from the internal memory of the inspection camera, moved to your PC or deleted.

As soon as you have completed the required operation, disconnect the drive following the standard procedure.

Note: Always disconnect the drive from the operating system of the PC first (eject drive), as failure to do so may damage the internal memory of the inspection camera.

Remove the USB Type-C® cable (the inspection camera will switch off automatically). Close the upper flap (2) to protect against dust or splashes.

Note: Only use the USB Type-C® interface to connect the inspection camera to a PC. The inspection camera may be damaged if connected to other devices.

Note: The USB Type-C® interface can only be used for data transfer. Rechargeable batteries or other devices cannot be charged by this interface.

**Saving/Transferring the Recordings
(GIC 5-27 C)**

Taking Photos/Videos

If a micro-SD card **(30)** is inserted, the photos and videos are saved on the card.

If no micro-SD card is present, photos are stored on the internal storage on the inspection camera and it is not possible to take videos.

Photo mode: Press the photo/video recording button **(19)** to take a photo of the current display view.

Video mode: To start filming a video, press the photo/video recording button **(19)**, to stop recording, press the photo/video recording button **(19)** again or the centre button **(11)**. You can switch between photo and video mode in the **<Main menu>**.

Data transfer overview

- Transferring photo files **from the internal storage to the micro-SD card (30)**: When a micro-SD **(30)** is inserted, a request appears in the display asking whether the data saved on the inspection camera's internal storage should be transferred to the micro-SD card.
- Transferring photo files **from the internal storage via USB Type-C®**: Transfer is only possible if there is no micro-SD card **(30)** inserted in the inspection camera.
- Transferring files **from the micro-SD card (30)**: You can transfer files from the inserted micro-SD card **(30)** either via USB Type-C® or by removing the micro-SD card **(30)** and inserting it into another device.

Inserting the micro-SD card

Open the top flap **(2)** and push the micro-SD card **(30)** all the way into the slot **(18)**, paying attention to the correct orientation. Carefully close the top flap again.

Data transfer via the USB Type-C® interface

Switch on the inspection camera to transfer data via the USB Type-C® interface. Open the flap for the USB Type-C® port **(3)**. Connect the USB Type-C® port to your PC via the USB Type-C® cable **(29)**.

Open the file browser on your PC and select the drive for transferring the files. The name of the drive is as follows:

- If no micro-SD card is inserted into the inspection camera: **Bosch_GIC**
- If an unnamed micro-SD card is inserted into the inspection camera: Standard name of the USB drive
- If a named micro-SD card is inserted into the inspection camera: Name of the micro-SD card

The saved files can be copied from the internal memory or the micro-SD card of the inspection camera, moved to your PC or deleted.

As soon as you have completed the required operation, disconnect the drive following the standard procedure.

Note: Always disconnect the drive from the operating system of the PC first (eject drive), as failure to do so may damage the internal memory of the inspection camera.

Remove the USB Type-C® cable (the inspection camera will switch off automatically). Close the upper flap **(2)** to protect against dust or splashes.

Note: Only use the USB Type-C® interface to connect the inspection camera to a PC. The inspection camera may be damaged if connected to other devices.

Note: The USB Type-C® interface can only be used for data transfer. Rechargeable batteries or other devices cannot be charged by this interface.

Working Advice

Check the environment that you want to inspect, paying particular attention to obstacles or hazardous areas.

Bend the camera cable **(1)** so that the camera head can be easily introduced into the environment to be inspected. Carefully introduce the camera cable.

Adjust the brightness of the camera illumination light **(5)** so that the image is easily recognisable. When photographing highly reflective objects, for example, you can achieve better results in lower light or using black and white contrast setting.

If objects to be inspected look blurred, then reduce or increase the distance between camera head **(4)** and object.

Errors – causes and corrective measures

Note: The micro-SD card **(30)** can be used with the **GIC 5-27 C** only.

Error indicator in the display	Cause	Corrective measures
 (yellow warning)	Internal memory almost full	Delete the files from the internal memory or insert a micro-SD card (30) .
 (red warning)	Internal memory full	Delete the files from the internal memory or insert a micro-SD card (30) .
 (red warning)	Error in the internal memory	Restart the inspection camera. If the problem persists, contact an authorised Bosch after-sales service centre.
 (yellow warning)	Micro-SD card almost full	Delete the files from the micro-SD card (30) .

Error indicator in the display	Cause	Corrective measures
 (red warning)	Micro-SD card full	Delete the files from the micro-SD card (30) .
	Error in the micro-SD card	Remove the micro-SD card (30) and insert it again.
		Check the micro-SD card in a different device.

Maintenance and Service

Maintenance and Cleaning

Do not immerse the handheld device **(15)** in water or other liquids.

Always keep the inspection camera clean. Clean the inspection camera and all accessories particularly thoroughly after you have worked in areas with substances harmful to health. Wipe off any dirt using a damp, soft cloth. Do not use any detergents or solvents.

Clean the camera lens **(6)** in particular regularly and make sure to check for any lint.

After-Sales Service and Application Service

Malaysia

Tel.: (03) 79663194

In all correspondence and spare parts orders, please always include the 10-digit article number given on the nameplate of the product.

Disposal

The inspection camera, batteries/rechargeable batteries, accessories and packaging should be sorted for environmentally friendly recycling.



Do not dispose of the inspection camera or batteries/rechargeable batteries with household waste.

Servicekontakte
Service Contacts
Contacts de Service
Contactos de Servicio
Контакты сервисных центров



<https://www.bosch-pt.com/serviceaddresses>

Garantiebedingungen
Guarantee Conditions
Conditions de Garantie
Condiciones de Garantía
Условия гарантии



<https://www.bosch-pt.com/guarantee/202601>