



GASOLINA - Gas Cylinder Level Sensor

User Manual / Quick Guide
Model GSO-GCio4

1. Product Description

Gasolina is a sensor for measuring the estimated remaining fill level of a compatible steel propane gas cylinder. The sensor uses ultrasound and transmits measurement and connection data via Bluetooth to a connected mobile phone with the Gasolina app.

Important limitation: Gasolina is not a gas leak detector, not a pressure tester, not a calibrated measuring instrument, and not a safety-related protective device. The product does not replace inspection of the gas cylinder, valve, pressure regulator, hose, or any other safety-relevant components.

Scope of delivery

- Gasolina gas level sensor
- Conductive contact gel / silicone contact grease
- Magnet
- Quick Guide / user information

Not included: 1x CR2032 button cell, 3 V

2. Compatibility & Intended Use

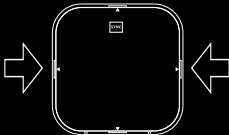
- Full functionality is only available with compatible gas cylinders made of magnetic steel.
- The magnetic attachment does not work on aluminium or plastic cylinders. Attachment using additional aids may be possible in individual cases; functionality is not guaranteed.
- Regional cylinder specifications may affect measurement. Check compatibility before purchase at:
<https://www.gaso-lina.com>
- Only for use with commercially available propane gas cylinders in private or commercial everyday use, provided local safety rules are followed.
- Do not use or service in ATEX-classified explosive atmospheres where this is prohibited by local regulations.

3. Preparation and Setup

- Have a smartphone with Bluetooth Low Energy ready.
- Download the Gasolina app from the relevant app stores (QR code provided in this Quick Guide under section 5).
- Activate Bluetooth and allow the required app permissions.
- Add the sensor in the app. To do this, press and hold the SYNC button (yellow button) on the sensor for 5 seconds.
- Have a compatible steel propane gas cylinder ready.
- If necessary, clean the sensor surface and cylinder base with a soft, dry cloth.
- If there are still irregularities or dirt on the underside of the cylinder, apply a small amount of the supplied contact gel to the sensor surface.
- Have a CR2032 battery ready. The battery is not included in the scope of delivery.

4. Inserting or Replacing the Battery

Carefully open the back of Gasolina at the designated recesses. You can do this with a narrow, sturdy object. Insert a CR2032 button cell with 3 V according to the polarity marking and close the battery compartment completely again. Make sure the cover is correctly seated so that the SYNC button can still be pressed.



WARNING - Risk of explosion:

Batteries may only be replaced in an area free from flammable substances, gas accumulations, open flames, and ignition sources. Do not open the device near a gas leak or in a potentially explosive atmosphere.

Battery Safety

- Only use CR2032, 3 V batteries.
- Do not swallow batteries. Button cells can cause severe internal injuries if swallowed. Keep away from children.
- Remove empty or damaged batteries immediately and dispose of them properly.
- Do not short-circuit, recharge, open, deform, throw into fire, or expose batteries to high heat.
- Observe the correct polarity when inserting the battery. Do not use damaged or leaking batteries.

5. QR Code for the App Stores

Scan the QR code or search for the Gasolina app in the App Store or Google Play Store.

- Open the app and follow the steps in the app.
- If no sensor is displayed, press and hold the SYNC button for approx. 5 seconds

iOS



Android



System requirements: Smartphone with Bluetooth Low Energy. iOS version 13.0 or later, Android version 7 or later. An internet connection may be required for downloads, updates, and certain app functions.

6. Measurement and Display

Remove the protective sticker and place Gasolina centrally on the cleaned base of the compatible steel propane gas cylinder. Make sure that the sensor surface lies fully against the cylinder without larger air gaps. If there is rust, dirt, or unevenness, please use the supplied contact gel. Then start the measurement in the app.

- The initial first measurement may take some time due to movements and turbulence of the liquefied gas inside the cylinder. Please allow the sensor up to 30 minutes for configuration. Once in operation, all subsequent measurements take 2-5 seconds.
- Bluetooth range may be reduced by the cylinder position, metal surfaces, walls, shielding, or interference.
- Measurements are estimates and may vary depending on cylinder shape, temperature, gas movement, positioning, and gel application.

Temperature note: The measurement is designed for propane gas at approx. 20 °C. At significantly lower or higher temperatures, the displayed remaining fill level may vary because liquefied gas expands or contracts depending on temperature.

7. Cleaning and Care

- Clean the sensor surface with a soft, dry, or slightly damp cloth.
- Do not use organic solvents such as thinner, alcohol, ether, or aggressive cleaners. This may cause discoloration or damage.
- Do not immerse the device in water or other liquids.
- Keep the battery compartment closed. Do not open the device except to replace the battery.
- Store the sensor dry, clean, and out of the reach of children.

8. Contact Gel / Silicone Contact Grease

The supplied contact gel is used to improve ultrasonic contact between the sensor surface and the gas cylinder. Use only the supplied contact gel or contact gel recommended by the manufacturer. The gel is not intended for medical applications.

Safety information based on the MSDS review

- Product information: Ruisitu High Vacuum Grease P/N7501.
- Not classified as hazardous according to GHS.
- Composition: poly(dimethylsiloxane) 80-88%, amorphous silica 10-13%, Antioxidants 264 5-8%, diphenyldihydroxysilane 2%.
- Appearance: white paste, faint odour or odourless, insoluble in water, non-flammable.
- Transport: not regulated as dangerous goods under ADR/RID, IATA/ICAO, or IMO/IMDG.

Gel information for users:

Do not ingest. Avoid contact with eyes. Wash hands after use. In case of eye contact, rinse carefully with water for several minutes. Seek medical advice if irritation persists. If swallowed, rinse mouth, drink water, and contact medical assistance. Keep away from children. Do not allow to enter drains or bodies of water.

9. Technical Data

Feature	Angaben
Model number	GSO-GCio4
Size	66,96 x 66,96 x 6,6 mm
Output signal	Bluetooth / BT Low Energy
Frequency band	2,4 GHz / 2402-2480 MHz
Max. transmit power	0 dBm
Power supply	1x CR2032, DC3V not included
Battery life	approx. 1-2 years
Measurement accuracy	+/- 5 % under suitable conditions
IP rating	IP55

Feature	Details
Operating temperature	-20 bis 60 °C / -4 bis 140 °F
Operating altitude	0-2000 m / 0-6500 ft
Bluetooth range	up to 50 m in open field
Measurement method	Ultrasound

10. CE, RED and EU Conformity

EU Declaration of Conformity: Gasolina Germany GmbH hereby declares that the radio equipment type GSO-GCio4 (Gaso-1) complies with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following internet address: <https://www.gaso-lina.com/legal>

11. Data Protection and App Data

When using the Gasolina app, technical device, connection, and usage data may be processed, e.g. sensor ID, Bluetooth connection data, measurement values, app diagnostic data, operating system information, and voluntary user entries.

Data protection notice:

Information on the processing of personal data, legal bases, storage periods, recipients, user rights, and contact options can be found in the privacy policy at: <https://www.gaso-lina.com/legal>

12. EU Data Act - Notice for Connected Products

This product may generate product-related data during use, in particular measurement data, device data, time/status data, and connection data. Users can find information on which data is generated, how it is used, and how access to these data can be requested on the Gasolina website.

13. Disposal of Device and Battery

WEEE / waste electrical equipment:

This product must not be disposed of with household waste.

Dispose of the device at a suitable collection point in accordance with the applicable regulations for waste electrical and electronic equipment. The crossed-out wheeled bin symbol indicates separate collection.

Battery disposal:

Removable batteries must be removed separately before disposing of the device, where this is possible without destroying the device, and disposed of separately through suitable battery collection points. Batteries must not be disposed of with household waste.

14. Troubleshooting

Problem	Possible solution
Sensor does not appear in the app	Activate Bluetooth, check app permissions, press and hold the SYNC button for approx. 5 seconds, and check the battery.
Measurement value seems implausible	Reposition the sensor, clean the cylinder base, apply fresh contact gel, wait up to 30 minutes, and consider temperature and gas movement.
Low range	Move the smartphone closer to the cylinder; reduce metal surfaces, walls, and other sources of interference.
Sensor does not hold	Only magnetic steel cylinders provide reliable attachment. Functionality cannot be guaranteed with aluminium/plastic cylinders.

15. Warranty, Liability and Support

If you have questions about setup, compatibility, or complaints, please contact Gasolina Support. Information on warranty conditions and current app notices is available online. Incorrect measurements cannot be completely ruled out; for safety-related questions, always check the gas cylinder and connected components independently of the sensor.

Support: hello@gaso-lina.com

Website: <https://www.gaso-lina.com>

16. Manufacturer Information

Manufacturer	Gasolina Germany GmbH
Address	Heckenweg 6, D-32657 Lemgo, Germany
Website	https://www.gaso-lina.com
E-Mail	hello@gaso-lina.com
Model number	GSO-GCio4
Manuel version	Version v1.1 / 04-2026

17. Setup Help

You can find helpful information about Gasolina on our website, including a tutorial video for setup.



Simply scan the QR code and play the video!