



Operation and Maintenance Instructions

Handheld tyre gauge

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For your own safety, please carefully read these instructions before the installation, use and maintenance of the hand-held tyre gauge. These operating instructions must be kept for future reference.

General information

These operating instructions are an integral part of the product, which is attached to it, and must be kept for future reference. Please carefully read the notes and instructions contained in this manual before installation, start-up, setting or maintenance, as they provide important information on the safe use and maintenance. To ensure the safe use and correct maintenance, the hand-held tyre gauge must be used only by operating persons who are familiar with the contents of the operating instructions. The information contained in this manual is required for the correct use of the hand-held tyre gauge and complete the information that forms part of the standard technical expertise of persons entrusted with its operations. For future information or special problem solutions please refer to our Customer Service.

Conformity with EU guidelines

Following guidelines and regulations have been observed for manufacturing this product:

The object of the declaration described above complies with the applicable harmonisation legislation of the European Union:

Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the member states relating to electromagnetic compatibility (new version). Text with EEA relevance as last amended by Regulation (EU) 2018/1139

Directive 2011/65/EU of the European Parliament and of the Council of 08 June 2011 on the restriction of the use of specific hazardous substances in electrical and electronic devices (new version) (Text with EEA relevance)2:

Delegated Directive (EU) 2015/863 of the Commission of 31 March 2015 on the amendment of Appendix II of the Directive 2011/65/EU of the European Parliament and of the Council in respect of the list of substances subject to restrictions (Text with EEA relevance)

Delegated Directive (EU) (EU) 2018/741 of the Commission of 01 March 2018 on the amendment - for the purpose of adapting to the scientific and technical progress - of the Appendix III of the Directive 2011/65/EU of the European Parliament and the Council regarding an exception for lead as an alloying element in copper (Text with EEA relevance)

0.1 Weight percent per homogeneous material

Uses that are exempt from restrictions of Article 4 (1)

6c. Copper alloy with mass percentage of up to 4% lead

We would be glad to provide you with the respective declaration of conformity in its current, valid and legally binding version upon request.

The following standards are used in the manufacturing of the products:

Information relating to the relevant harmonized standards used or information relating to other technical specifications for which conformity is declared:

EN 61000-6-1:2007 Electromagnetic compatibility (EMV) - Part 6-1: Generic standards - Interference resistance for residential areas, business and commercial areas as well as for small businesses (IEC 61000-6-1:2005)

EN 61000-6-3 Electromagnetic compatibility

(EMV) - Part 6-3: Generic standards - Interference emissions for residential areas, business and commercial areas as well as small businesses (IEC 61000-6-3:2006); EN 61000-6-3:2007/A1:2011; EN 61000-6-3:2007/A1:2011/AC:2012

DIN EN IEC 63000 Technical Documentation for assessment of electronic and electrical devices in respect of restrictions for hazardous substances (IEC 63000:2016); German Version EN IEC 63000:2018

The manufacturer is solely responsible for issuing of this declaration of conformity.

Name and address of the manufacturer:

RIEGLER & Co. KG
Schützenstraße 27
72574 Bad Urach
Tel +49 7125 9497-0
info@riegler.de

And the object of the declaration is: Hand-held digital tyre gauge

Technical data

- Working pressure: up to 12 bar (Maximum operating pressure 12 bar / 175 psi)
- Dimensions: 245 x 95 x 125 mm
- Net weight: 0.746 kg
- Digital pressure gauge (80mm diameter)
- Electric source DC 3V (2x AAA-Batteries – 1,5V)
- Automatic zero point setting
- Automatic switch-off after 15 seconds
- Precision 1.6%

Plug version

Quick connector



Lever plug



Garage plug



Digital hand-held tyre gauge with quick connector, hose pivots

Product no.	Type no.
116963	39.023D

Digital hand-held lever plug gauge with lever plug, hose pivots

Product no.	Type no.
116964	39.033D

Digital hand-held lever plug gauge with lever plug, hose pivots

Product no.	Type no.
116965	39.043D

Intended Use

This product is intended to be used as hand-held tyre gauge. It is intended exclusively for checking, inflating or deflating of tyres. Any other use is deemed to be an improper use. The manufacturing company rejects any liability for damages or accidents caused by improper use of the hand-held tyre gauge or by not complying with safety regulations. Any impairment or modification of the device not authorised in advance releases the manufacturer from liability for damages resulting from or in connection therewith.

General safety instructions; Explanation
Explanation of symbols used

	General mandatory signs
	General prohibitory signs
	General warning signs
	Follow instructions
	Use hand protection
	Use protective clothing
	Electronic devices must not be disposed of in household waste

	Risks caused by improper use
	<ul style="list-style-type: none"> • Never direct the hand-held tyre gauge towards human body or animals. • Do not exceed maximum values for the operating pressure under any circumstances. • Always release the air pressure and disconnect from the compressed air supply before performing dismantling, cleaning or reinstallation works on the hand-held tyre gauge.

Health risks

	<ul style="list-style-type: none"> • Always wear suitable body protective clothing when using the hand-held tyre gauge. • The user must be familiar with the function and start-p of the devices.
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Other risks

	<p>It is forbidden to use the hand-held tyre gauge in the work area of machines such as conveyor belts, etc. during their operation.</p> <p>It is forbidden to use the hand-held tyre gauge for purposes other than inflating tyres.</p>
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Unpacking

After removing the packaging ensure the integrity of the device and check that no parts are noticeably damaged. In case of doubt, do not use the device and contact the manufacturer.

Commissioning

	<p>To ensure the safe use and correct maintenance, the hand-held tyre gauge must be used only by operating persons who are familiar with the contents of the operating instructions. After removing the packaging, ensure that the product is intact and check that there are no parts with noticeable damages.</p>
<ul style="list-style-type: none"> • A suitable compressed air supply must be available at the installation site. • Before connecting the hand-held tyre gauge to the pneumatic compressed air supply, ensure that there is not pressure in the line. • Connect the compressed air line to the connection piece of the hand-held tyre gauge. 	

Operation

	CAUTION:
<ul style="list-style-type: none"> • The tyre pressure is prescribed by the vehicle manufacturer and is different for each vehicle type. • Carefully check the pressure value specified by the manufacturer and/or vehicle manufacturer based on which the tyres are inflated. Incorrect tyre pressure can result in bursting of the tyres. 	

Pressure monitoring	Plug in the plug attached to the end of the inflating hose to the tyre valve. By pressing the "ON button" the pressure in the inside of the tyre can be read on the digital pressure gauge.
Pumping 	<p>If the tyre pressure is lower than the one prescribed by the vehicle manufacturer:</p> <ul style="list-style-type: none"> • Plug in the plug attached to the end of the inflating hose to the tyre valve. • By pressing the "ON button" you can check the actual pressure inside the tyre. • Pull the lever all the way to inflate. • Inflate slowly and stop regularly and check the pressure in the tyre. • Continue in this way until you have reached the desired pressure. • Disconnect the plug from the tyre valve. <p>Inflate the tyre slowly and regularly stop and check the pressure. Pressing the lever too long can result in the bursting of the tyre due to overpressure!</p>
Deflate	<p>If the tyre pressure is higher than the one prescribed by the manufacturer:</p> <ul style="list-style-type: none"> • Plug in the plug attached to the end of the inflating hose to the tyre valve. • By pressing the "ON button" you can check the actual pressure inside the tyre. • Pull the lever slowly to deflate. • Deflate slowly and stop regularly and check the pressure in the tyre. • Continue in this way until you have reached the desired pressure. • Disconnect the plug from the tyre valve.
Switching the device off	The device switches off automatically when not in use. The device can also be switched off manually by pressing and holding the "ON button" for three seconds.

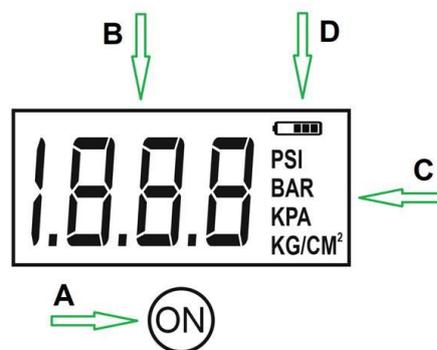
Information on the display elements

A: Press the "ON button" to switch on the devices. At the same time you can choose between the units psi, bar, kPa or kg/cm². The selected unit is also pre-set for the next use of the hand-held tyre gauge. The device is switched off by pressing and holding the "ON button" for three seconds with the pressure gauge switched on.

B: Tyre pressure display

C: Unit

D: Battery status display



The display and device status are only visible when the device is switched on. When the device is switched on, all symbols on the display light up briefly, similar to an auto display (e.g. bar / psi symbol, battery symbol, etc.). Afterwards, only the numbers and the pressure measurement scale remain visible. The battery status display is static and does not show a real-time charge status. An empty battery is indicated by a flashing battery symbol and the gradual fading of the blue light.

Maintenance and repair


CAUTION:

Before performing maintenance work on the hand-held tyre gauge it must be disconnected from the delivery line of the compressed air; the air inside the hand-held tyre gauge must be deflated. It is forbidden to perform maintenance on the hand-held tyre gauge when the staff entrusted for this work have not received adequate training.
It is forbidden to perform maintenance work on the hand-held tyre gauge without using original spare parts.



In order to ensure the efficiency of the device and its correct operation it is essential to follow the instructions of the manufacturer and to perform cleaning and periodic routine maintenance.
You must take every precaution to avoid the hand-held tyre gauge from falling down or being subjected to impact.

Battery replacement


CAUTION:

Deflate the air pressure and disconnect from the compressed air supply before replacing the batteries for the hand-held tyre gauge.



Unscrew and remove the inflating hose on the device side.



Put the rubber protection over the inflating hose connection and lay open the battery compartment.



Open the battery compartment, remove the old batteries and replace with new ones. (Ensure correct polarity!) Once finished, close the battery compartment, put the rubber protection back on and attach the inflating hose.

Check the functioning after batter replacement by pressing the "ON button".

Storage, shut-down, restart**Disposal instructions**

	Disposal
	Do not dispose empty batters in household waste. You can find collection containers for empty batteries wherever batteries are sold. The device must not be disposed of in household waste. To scrap the hand-held tyre gauge it must be made inoperable.