

**Operation and maintenance manual**

Handheld tyre gauges

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Please read these instructions carefully for your own safety, before proceeding to the installation, use or maintenance of the handheld tyre gauges. This manual must be conserved for future consultation.

**Overview**

This manual is an integral part of the product with which it is enclosed and must be conserved for future consultation. Carefully read the recommendations and instructions contained in this instruction booklet before carrying out installation, operating, adjusting or maintenance operations, since they give important information regarding the safety of use and maintenance. The tyre gauge should only be used by an adequately trained operator if it is to be used safely and correctly maintained. The information given in this booklet is necessary for correct use of the tyre gauge and its components and is in addition to the normal technical know-how of operators. The safety rules inserted in this booklet are in addition to the safety regulations in force in the countries where the product is used and which should already be known and applied by operators. Contact only authorized product technical assistance and maintenance centers for further information or special problems.

**Unpacking**

After removing the packaging material make sure the product is in perfect condition and that there are no visibly damaged parts. If in doubt, do not use the tyre gauge and contact the manufacturer.

**Use and Operation**

The classic manual tyre filling gauge is homologated according to its design. Devices with a measuring range of 0 - 4 bar and 0 - 10 bar for the use in public filling stations et are calibrated by the Office of Weights and Standard and marked accordingly. First calibration is valid for two years. After expiration of the calibration period, the device must be recalibrated.

This product has been designed for use as a handheld tyre gauge and all other uses will be considered inappropriate. The manufacturer declines all liability for damage or injury caused by the inappropriate use of the tyre gauge or the failure to respect safety warnings. Any and all tampering or modification with the equipment that has not been previously authorized releases the manufacturer from all damage derived or ascribable to the same.

**General Safety Rules****Risks in Inappropriate Use**

- Never point the inflation gun at people or animals
- Never exceed the maximum working pressure recommended or the gauge full scale pressure
- Always discharge the air pressure and disconnect from the air supply before proceeding to the disassembly, cleaning, or reassembly of the tyre gauge



**Risks to Health**



It is therefore obligatory to take the following precautions:



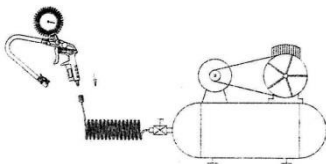
- Always wear clothes with adequate bodily protection when using the tyre gauge

**Other Risks**

- Never use the tyre gauge in areas where machinery such as conveyor belts, robots, etc. are working

**Installation**

For safe operation and correct maintenance, the handheld tyre gauge must be used only by an operator who has been provided with the adequate preparation. After removing the tyre gauge from the packaging, make sure that no damage has occurred during shipping. Make sure that the gauge pointer points to the scale's "0". The handheld tyre gauge may not be used if this is not the case.



- Provide a compressed air supply that does not exceed the gauge's full scale value in the installation area
- Before connecting the gun to any compressed air supply, make sure that line pressure has been discharged
- Connect the compressed air supply hose to the tyre gauge's connector


**Note: Make sure that the compressed air supply does not exceed the tyre gauge's full-scale value.**

**Operation**

	<p><b>WARNING</b></p> <ul style="list-style-type: none"> <li>• Tyre pneumatic pressure is indicated by the motor vehicle manufacturer and varies by type</li> <li>• Carefully check the pressure to which the tyre must be inflated indicated by the motor vehicle manufacturer and/or the tyre manufacturer. Incorrect inflation pressure can lead to the explosion of the tyre</li> </ul>
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<p><b>How to Check the pressure</b></p>	<p>Make sure that the gauge pointer points to the scale's "0". Bleed the tyre gauge if necessary. Insert the valve at the end of the hose into the tyre's own inflation valve. The pressure inside the tyre is shown directly on the gauge.</p>
<p><b>Inflating</b></p>	<p>If the tyre pressure is <b>lower</b> than the value indicated by the motor vehicle manufacturer:</p> <ul style="list-style-type: none"> <li>• Insert the valve at the end of the hose onto the tyre's own inflation valve</li> <li>• Pull the tyre gauge lever at intervals to inflate the tyre</li> <li>• Read the tyre's pressure on the gauge at the same time</li> <li>• Continue inflating the tyre to the required pressure in this way</li> <li>• Detach the tyre gauge inflation valve from the tyre's valve at the end</li> </ul>
<p><b>Deflating</b></p>	<p>If the tyre pressure is <b>higher</b> than the value indicated by the manufacturer:</p> <ul style="list-style-type: none"> <li>• Insert the valve at the end of the hose onto the tyre's own inflation valve</li> <li>• Lightly press either the black rubber coated button or the lever at intervals to deflate the tyre</li> <li>• Read the tyre's pressure on the tyre to the required pressure in this way</li> <li>• Detach the tyre gauge inflation valve from the tyre's valve at the end</li> </ul>

## Ordinary Maintenance


	<b>WARNING</b>
	<p>Before performing any maintenance operation on the tyre gauge, disconnect it from the compressed air supply and discharge any pressure remaining within.</p> <p>Never allow the tyre gauge to be serviced by personnel without adequate training and instruction.</p> <p>Never use non-original spare parts for maintenance.</p>

In order to guarantee handheld tyre gauge efficiency and correct operation, the manufacturer's instructions for cleaning and routine maintenance must be scrupulously followed.

**Note: Pay careful attention to avoid dropping the tyre gauge or subjecting it to impact.**

## Storage

- Whenever the inflation gun will not be used for an extended period of time, disconnect it from all power supplies
- When using the tyre gauge again after extended inactivity, change the liners

	<b>Placing the tyre gauge out of use</b>
	<p>We recommend making the tyre gauge completely inoperative when dismantling and placing it out of use. The tyre gauge's materials are completely recyclable and must be disposed of properly in the appropriate collection centers.</p>



Quick connector

Valve connector

Garage connector

Quick connector

Valve connector

Garage connector



114543/136799/136800



136783/136784



136786/136787



136801



136785



136788

## Applies to the following articles:

### Handheld tyre gauges

#### Standard manual tyre gauge with clip connector, hose rigid

Article No.	Type No.
114543	39.011

#### Standard manual tyre gauge with quick connector, hose swivelling

Article No.	Type No.
136799	39.021
136800	39.022

#### Standard tyre gauge with tyre valve connector, hose swivelling

Article No.	Type No.
136783	39.031
136784	39.032

#### Standard tyre gauge with garage connector, hose swivelling

Article No.	Type No.
136786	39.041
136787	39.042

### Handheld tyre gauge in pistol shape

#### Standard type handheld tyre gauge in pistol shape, hose rigid

Article No.	Type No.
118500	39.013
136785	39.014
136788	39.015