



# PROFESSIONAL AIR LINE GAUGE

MODEL NO: **SA37/93.V4, SA37/93B, SA37/94.V3, SA37/95**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions

## 1. SAFETY

- ✓ Disconnect the tyre inflator from the air supply before changing accessories, servicing or performing any maintenance.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Keep the gauge screen and tyre inflator clean.
- ✓ Replace damaged parts with genuine Sealey parts. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Check tyre pressures when they are cold.
- ✗ **DO NOT** direct the tyre inflator outlet at yourself or others including animals.
- ✗ **DO NOT** carry the tyre inflator by the hose, or tug the hose from the air supply.
- ✗ **DO NOT** use the tyre inflator for a task which it is not designed to perform.
- ✗ **DO NOT** operate the tyre inflator when you are tired or under the influence of intoxicating medicines, drugs or alcohol.
- ✗ **DO NOT** operate the tyre inflator if parts are missing or damaged, this could be dangerous.
- ✗ **DO NOT** drop or bump the tyre inflator.
- ✗ **DO NOT** get the tyre inflator wet.
- ✗ **DO NOT** operate near appliances with strong magnetic fields, corrosive gasses or corrosive liquids.

## 2. INTRODUCTION

Manufactured to comply with EN 12645. Aluminium body with rubber bumper. Linear pressure scale, dual calibrated in psi and bar, with parallax correction. Models SA37/93 and SA37/93B have a 0.5m flexible hose fitted with 240mm twin push-on air connector. Model SA37/94 is fitted with a 2.5m hose with clip-on air connector for compliance with safety regulations relating to inflation of commercial and agricultural vehicle tyres. All are supplied with a serial numbered calibration certificate. Warranty for SA37/93, SA37/94 and SA37/95 is two years and warranty for SA37/93B is three years.

Model SA37/95: Die cast aluminium body with large rubber bumper. Linear pressure scale, dual calibrated in psi and bar, with parallax correction. 2.5m Flexible hose fitted with twin lock-on air connector. Supplied with a serial numbered calibration certificate.

## 3. SPECIFICATION

Pressure range: .....0 - 9.6bar (0 - 140psi)  
Pressure units: ..... bar, psi  
Air supply minimum: ..... 5.5bar (80psi)  
Air supply maximum: ..... 15bar (218psi)  
Inlet size: ..... 1/4" BSP

## 4. OPERATION

### 4.1. TO READ PRESSURE

4.1.1. Place hold-on chuck squarely and firmly onto tyre valve, before each pressure reading fully depress lever and release.

### 4.2. TO INFLATE

4.2.1. Place hold-on chuck squarely and firmly onto the valve. Fully depress lever for an appropriate period then release lever to display pressure. Check pressure gauge and repeat procedure until correct pressure level is achieved.

### 4.3. TO DEFLATE

4.3.1. Depress lever half way (until air can be heard escaping) for an appropriate period, fully depress lever momentarily then release to display new pressure. Check pressure gauge and repeat procedure until correct pressure level is achieved.

## 5. INSTALLATION

### 5.1. AIR SUPPLY - Maximum pressure 15 Bar (218psi)

5.1.1. The supply must be clean and dry - use a suitable filter/water trap if necessary. The supply pressure at the gauge inlet should ideally be 10.5 - 12.5 bar (150 - 180psi). The gauge will function correctly with supply pressures down to 7 bar (100psi), but inflation times will be increased.

### 5.1.2. PIPE WORK

Copper or galvanised steel tube is recommended for the supply line from the compressor. The number of bends in the line should be kept to a minimum and no pockets or low points should be present to allow water to accumulate. Blow the line clear of any debris and drain off any accumulated water before making the final connection to the gauge.

## 5.2. FLEXIBLE HOSE - Models SA37/93 and SA37/93B

The flexible line to the gauge should be properly rated for the duty and supply pressure - hose to BS5118 class 2 is recommended. A 1/4" BSP Taper (male) connection is required to connect to the gauge.

## 5.3. FLEXIBLE HOSE - Model SA37/94 (supplied - 2.5 metres)

Supplied hose meets the required standards for use on commercial and agricultural tyres. If an additional extension hose is required it must be properly rated for the duty and supply pressure - hose to BS5118 class 2 is recommended. A 1/4" BSP Taper (male) connection is required to connect to the gauge.

## 6. MAINTENANCE

### 6.1. PERIODIC CHECKS

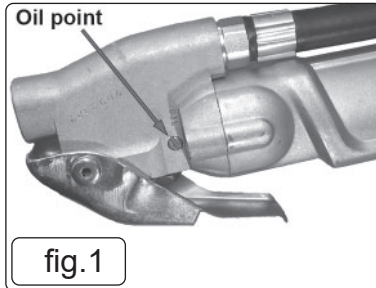
6.1.1. For long service and accuracy, the following actions should be carried out at the recommended intervals.

### 6.2. WEEKLY - CHECK OPERATION

6.2.1. The gauge should be checked weekly for correct operation. Look for smooth lever operation and fast, smooth gauge movements. Check for leaks from tyre connector seals, and for chafing or wear of the flexible hoses. Any problems should be immediately rectified to ensure calibration is not affected.

### 6.3. MONTHLY (Model SA37/95)

6.3.1. Remove oil screw (fig.1) place 2-3 drops of light oil into the gauge mechanism.



### 6.4. QUARTERLY - CHECK CALIBRATION

We recommend the accuracy of the gauge be checked against a calibrated 'master' gauge every 3 months, or at shorter intervals depending on operator's own quality procedures manual.

## 7. TROUBLESHOOTING

7.1. This air line gauge has been engineered to give years of trouble-free service. Major faults are often due either to prolonged mistreatment or to a dirty, excessively wet air supply. The following guide will enable the operator or service engineer to diagnose and cure any problems which may arise.

- 7.1.1. Air leaks from tyre connector: The seals should be replaced when it becomes difficult to obtain an easy, positive airtight seal on a tyre valve.
- 7.1.2. Damaged flexible hose (gauge to tyre connector): The complete hose assembly should be replaced immediately if any sign of deep chafing or cracking appears. Ensure that the centred filter in the gauge outlet port does not become dislodged during replacement.
- 7.1.3. Erratic high gauge readings or stiff, jerky lever operations caused by a stiff or damaged valve assembly. If not cured by oiling the valve mechanism then replace the valve assembly.
- 7.1.4. Slow tyre inflation caused by either low supply pressure, blocked inlet filter, or damaged valve mechanism.
- 7.1.5. Erratic low gauge readings and/or sluggish gauge operation: Gauge does not return to zero caused by stiff or damaged gauge mechanism. The gauge must be returned to an authorised repair centre as special equipment is required to re-check the calibration of the gauge after repair.





#### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on [technical@sealey.co.uk](mailto:technical@sealey.co.uk) or 01284 757505.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 24 months from purchase date SA37/93, SA37/94, SA3795 and 36 months for SA37/93B, proof of which is required for any claim.

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