

Scope of Supply

Included in the delivery are the following parts. Please check if all of these components were supplied. If parts are missing or damaged, please contact your reseller.

- Adjuster SICO 1230
- 1 rechargeable battery 9 V
- 2 Measuring lines 2mm to 4mm, type AK2-F74-B
- Protector (protective casing)
- Tool bag
- Manual
- Acceptance test certificate 3.1 according BS EN 10204

Order number SICO 1230

- 100603

Version 12/2017

CE Signal Concept GmbH confirms the conformity of the device according to the directives given by the European Parliament and Council 2004/108/EC (EMC-Directive), 2006/42/EC (Machinery Directive), 2006/95/EC (Low Voltage Directive), 85/374 EEC (Product Liability Directive), 2002/95/EC (RoHS Directive) and 2002/96/EC (WEEE Directive).

Signal Concept GmbH
Suedring 11
04416 MARKKLEEBERG
GERMANY

Phone: +49 (0) 34297 14390
Fax: +49 (0) 34297 143913

E-mail: info@signalconcept.de
www.signalconcept.de

Adjuster for Train Coupling Coils SICO 1230

Manual



Signal
Concept

Safety Instructions

! Warning !

To avoid the damage of persons or products, mind the following guidelines:

Consider the valid guidelines for working on railway facilities when operating the Adjuster SICO 1230.

Do not use a damaged adjuster. Before using it, check the housing for outer damages.

Check accessories (measuring lines) concerning visible insulation faults. Before using the adjuster, replace damaged accessory.

Do not use the adjuster in environments with explosive gases, steam or dust.

Do not use the adjuster when it shows a malfunction. The protective parts could be affected. In case of doubt send the tool to the manufacturer or to a company authorized by the manufacturer for checking.

The manufacturer or companies authorized by the manufacturer are the only ones being responsible for repairing.

Voltages higher than 42 V occur at some parts inside the device. For that reason do not start or run the tester while it is opened.

Qualified professionals only may use the rail clip contact.

Do not drop or shock the adjuster.

Disposal

Electric and electronic devices must not be given to the general rubbish, since they mostly contain noxious elements. Instead dispose them at the collecting points for special waste.

The manual is part of the device. The user has to keep it until the disposal of the device. When handing the device to other users, the manual must be given too.

Usage

The Adjuster SICO 1230 is to be used **exclusively** to adjust ZUB-vehicle coupling coils in the frequency range of 50 ... 100 kHz.

Usages other than the above mentioned are not allowed.

Please, do only use the measuring lines supplied with the device!

Operation

The adjuster is equipped with common 4mm measuring sockets to connect it to the measuring object.

After switching on the device (switch is on the side) it is immediately ready for operation. The voltage is displayed in mV.

Inspection

It is recommended to have the device inspected regularly.

Technical Data

Power supply	accumulator 9 V or battery
Operating duration	min. 72 hours
Rated input voltage range	0 ... 250 mV _{RMS}
Max. input voltage range	0 ... 1 V _{RMS}
Max. input voltage allowed	10 V
Input resistance	approx. 1 kΩ
Measuring frequency	50 ... 100 kHz
Display	LC-display, 3 ¹ / ₂ digits
Measurement error	±2% of rated range value
Temperature influence	max. 0,1%/degree
Operating temperature range	0°C ... 50°C
Storage temperature	-10°C ... +50°C
Protection class	SKL II
IP code	IP 40
Dimension in mm	200 x 58 / 82 x 40
Weight	approx. 200 g