



Quick & easy testing of detection points ...

The SICO 2049 tester thoroughly simplifies the test sequence so far performed using common diagnostic kits. After connecting the tester to the electronic module provided in the junction box (EAK) the user may perform the test following the instructions displayed on the screen. The tester switches over automatically to the next test point according to the test program indicating all measurements performed in each step. If a measured value is found beyond the permissible limit, a signal will be given to the user. All measurements from each test will be saved in tabular form for the log sheets.

providing numerous advantages ...

- Universal application with axle counters ZP30, ZP30S, ZP30C, ZP30C-NT, ZP30H, ZP30-CA2 and Lorenz wheel sensor by test point selection via menu, special plug and cable sets
- Measured values are saved to an interchangeable memory card similar to that of a digital camera (top left picture, plug-in memory card on the back side)
- Measured values are saved in tabular form as tab-separated tables. Hence data files can be opened via PC using table calculator software (e.g. MS Excel).
- Transmitting voltages are no longer measured by help of test prods but with special connector plugs enabling automated test sequences
- Any test will be discontinued in case of values found beyond the permissible limits. The test can be continued only if so confirmed by the user. All values measured after user's confirmation to continue will automatically be marked "F" in the log sheets.
- Much time can be saved thanks to optimised test sequences. The drop-in gauge now needs to be placed on each of the two track contacts once only.
- Detection point numbers can be entered via PC, prior to the test. Hence it is no longer necessary to spend much time entering data on the test site as it was using GMP 900 magnetic track examination equipment. Individual detection points to be tested can be selected quickly via "Up" and "Down" keys. The tester also allows direct input.
- The user is guided through the entire test with the aid of menus and texts.
- Graphic LCD display and backlight

... and convenience

- Testing the adjustable voltages MESSAB and PEG the display will change to a new window „Adjust“ should the magnitudes of these voltages be found beyond the permissible limits. Then individual voltages can be adjusted via potentiometers or transmitter heads. Speciality: The voltages to be adjusted are displayed too. The test can be continued after such adjustments if so confirmed by the user. Measured values are saved prior and after each adjustment and also for the log sheets. This way the user will “recall“ that the respective value has been adjusted.
- Optional mode for extra quick display and correction of voltages MESSAB and PEG
- Manual mode for troubleshooting
- Query of LED status and saving for log sheets
- Saved measurements can also be viewed in a display available on the tester
- Limit values can be altered without SICO 2049 - Software - Updates. The limit values are stored by SICO 2049 in a separate file. This file with altered limit values can be “brought in “ to SICO 2049 using its memory card. A file with altered limit values may as well be sent to the user by e-mail via e.g. Signal Concept.
- Measurements are taken directly from the measurement adapter at the EAK service plug as this avoids interference from cables.
- Temperature measurement
- Automatic shutdown after operating breaks of six minutes and suppression function preventing shutoff after five minutes
- Power supply by customary batteries or accumulators
- Storage of Date / Time / Counter type / Tested by / Temperature
- Indication of last calibration

Specifications

Display: LCD display with backlighting

Storage: Removable MultiMedia Card (MMC)

Memory size: Measured data for 50 detection points

Operating temperature range: -20°C to 55°C

Power supply: 2 x 1.5 V batteries or 1.2 V rechargeable batteries (Baby/R14)

(sufficient for checking at least 100 detection points), batteries removable

Degree of protection: IP54

Dimensions (case with accessories): 210 x 250 x 360

Accessories

Tester for Axle Counter ZP30; Measurement adapter; Dummy wheel; Cable set 1 for ZP 30, ZP 30 S, ZP 30 C, RSL; Cable set 2 for ZP 30 C-NT, ZP 30 H, ZP 30-CA2; MultiMedia Card (MMC); MMC-Card Reader; 2 rechargeable batteries type C (Baby/R14); Toolkit; Adapter socket set for cable set 2 (9 piece)
- available on request: battery charger SICO 5006

Should you have any further questions or desire more information, we would be happy to assist you!

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Rev. 03/08