Nolek S9

leak test instrument

The S9 has taken air leak test technology to the limit by combining the most sensitive pressure differential leak test valving with the most advanced front-end interface available. The latest unit from Nolek/TQC is the result of a two-year programme to develop the most flexible combined leak test instrument on the market.

The S9 has an architecture that enables up to five functional valve modules to be connected to a single front-end interface, allowing simultaneous testing of five volumes. Each module has an electronic pressure regulator for setting of the test pressure automatically from the instrument.

QuickStop.
Shortened measuring time with the use of newly developed techniques

ZeroOffset
Compensate when external disturbances occur

Multiple valve modules.
Up to five functional valve modules, allowing simultaneous testing of as many volumes.

Easy programming.
Clear and easy to read text menus.
Input is via mounted keypad, external keyboard or from serial RS232 interface

Simple calibration.
Shielded but easily accessible control leak.
Automatic deactivation after completed testing.
Automatic testing.

Continuous leakage presentation.
Gives you the current leakage value when testing

Maximum flexibility: Upgradeable.
Purchase a basic instrument and add, at any time, a vacuum pressure differential module, flow module etc

Self-adjusting.
The instrument creates a basic setting

Modem connection with presentations in real time.
Ideal for logging in from other locations for assistance and evaluation.

PC application.
Gives the opportunity to log data from the tests as well as navigating the instrument.

Flow and differential pressure in the same instrument
Gives you total flexibility to comply with your needs.
Flow: Testing of the air supply with continuous updates.
E.g volume variants with same leak specification.
Differential pressure: Testing of pressure differences between two volumes during a specific time. E.g short cycles and/or vacuum are used.

TQC
The Application of Technology

nolek

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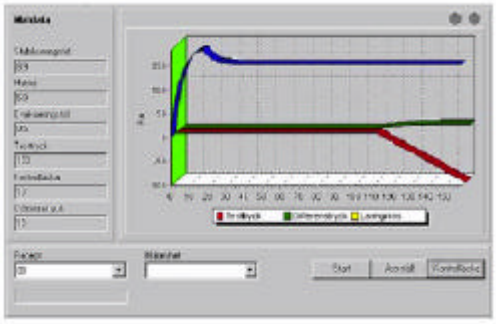
Nolek S9

system features

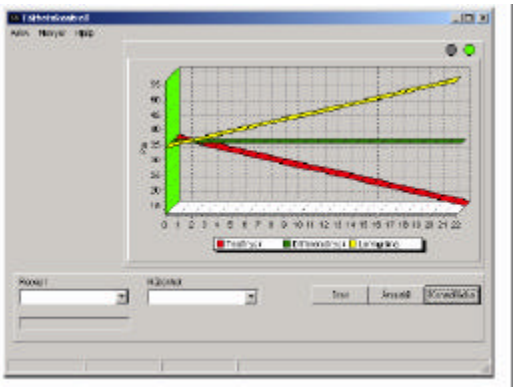
Selectable views of presentation
To suit all needs. Choose between:
Graphical, Numerical or Numerical with large characters for easy reading at a distance



Open text fields
Create your own names for the programs you use

Tower or desk format
Simplifies placement.

Self-adjustment
The instrument creates a basic setting.



Extra language free
Apart from the standard languages Sw/Eng/Ger a keyboard can be connected and two more languages be written.

Automatic voltage adaptation
Simplifies moving the equipment to other countries.

Possibility to control fixture
A program with eight I/O enables you to control external sequences, such as for instance fixture movement.

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specification

Performance (Differential pressure testing(D), Flow testing(F))

- Test area: +/-500 Pascal (D), 0-1000 mm^3/s standard(F)
- Resolution: 1 Pascal(D), 1 mm^3/s(F)
- Programmable time: 0.1-999,9 seconds
- Pressure areas: -1 bar to + 16 bar (D), 0-16 bar (F).
- Programs: 100 pcs
- Inaccuracy of testing and repetition depends on what type of application is used.

Electronics

- Module built multiprocessor system with CAN-bus communication.
- 14 bit resolution
- Inaccuracy of testing to 0.1%.
- Unlimited data storage without electricity
- Graphical display with background light LCD320x240
- Communication:
  - 1- Serial RS232 full comm
  - 1- CAN-bus
  - 1- Key-board
  - 2- Diodes: Approved / Failed
  - 1- Console
  - 1- Fixture control card (Option)

Pneumatics

- Test medium: Dry oil free air.
- Required opening pressure: Min. 5 bar (500 kPa), 1bar above adjusted test pressure.
- Adjustment of test pressure: Electrically navigated regulator.
- Types of test value sensors: Differential pressure, Flow, Absolute pressure. Depending on version.
- Calibration leak: Shielded, variable adjustment
- Connection screw: G ¼”

Dimensions & General Information

- Connection: 100-240 VAC / 0.9 A 50-60 Hz
- Weight: approximately 16 kg
- Measurements: 188mm x 400mm x depth 315mm
- Enclosure: IP55
- Colour: Silver grey (RAL 6021) with dark green front
- Industrially adapted.
- CE – marked (Sweden).
- Multitasking system: Multiple functional valve modules can be used simultaneously on the same presentation unit
- Keyboard: Menu keys and connectable PC keyboard.
- Integrated function testing gives the possibility to perform extra test, such as flow control.

Options

- PC log and navigation programs
- Modem connection
- Multiple test units
- Several functional test sensors for flexibility:
- Differential pressure, flow and absolute pressure.
- Self-adjustment
- Fixture control card with 8 Relay exits & 8 Optoisolated digital ports

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