

**Modern and User Friendly
Leak Testing to Increase Your Profit**



Specialist in leak testing since 1973



- Leak Testing -

LEAK TESTING METHODS OF THE S9:

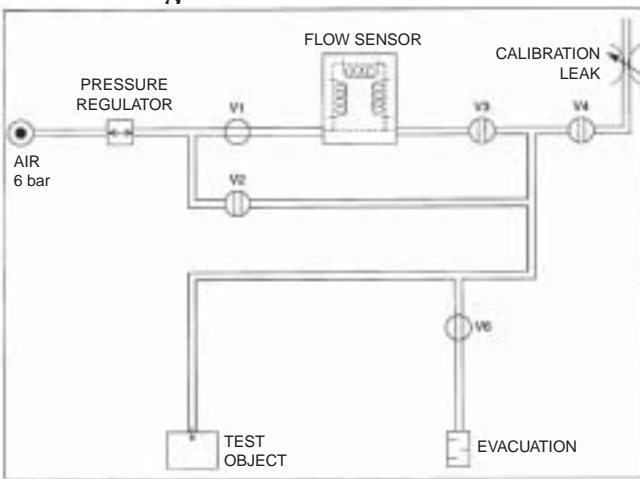
Nolek has developed a powerful test instrument with advanced technical performance combined with an easy-to-use menu system. The Nolek S9 is used to perform leak testing on products that need to be air or liquid proof. Testing with overpressure or vacuum is carried out quicker, easier, and less expensive than testing using the product's working media. The testing offers traceable and operator-independent control, which is superior to manual methods.

The flexibility of the S9 makes it possible to use the instrument to its optimal capacity with a large number of applications that require special settings and functions.

This includes everything from in-line testing with extremely short cycles, to a highly flexible leak control station with up to 100 different stored program settings.

Test Methods: Basic Principles

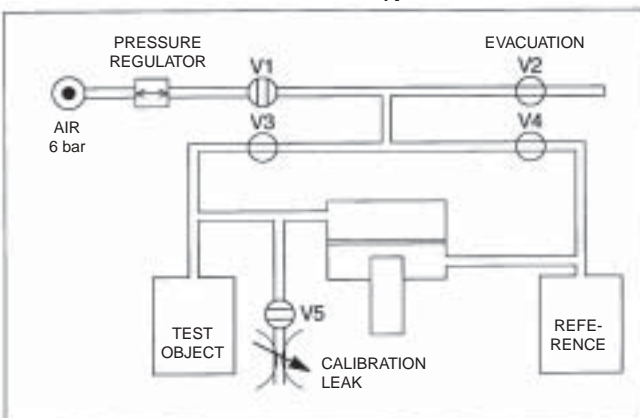
Flow Testing:



The instrument measures the amount of air you add when there is a leak in the test object. This makes it possible to show the exact leak value on the display continuously. Flow testing can be used if two test objects differ in volume.

The calibration is performed with the built in calibration leak set to the desired leak rate.

Differential Pressure Testing:



To be able to measure small leaks, two volumes are pressurized equally, the instrument then measures the differential pressure that arises during the measuring time between the test volume and the internal reference volume.

Differential pressure testing can be used for short cycles. The calibration is performed with the built in calibration leak set to the desired leak rate.

Dosing- and TH-testing:

Dosing: The S9 can perform tests on sealed objects within a chamber by using the dosing module.

TH: This module is useful if the object needs to be tested for Increased Pressure. The test can usually be carried out very quickly.

All test methods are available for both overpressure and under-pressure. There are also instrument configurations with combinations of different test methods and pressure ranges.

THE S9 IS USER FRIENDLY:

Selection of Display Options



The following options are available:

- Graphic display
- Combo (Numerical and Graphic display)
- Numerical display with large characters for an easy to read display, even at a distance!



Text Field

Name your programs. This provides security and the assurance that the correct program/recipe is used.



Tower or Desk Format



Tower or Desk Format

Select according to your layout needs. They both have the large and easy-to-read display with a clear and practical menu system.

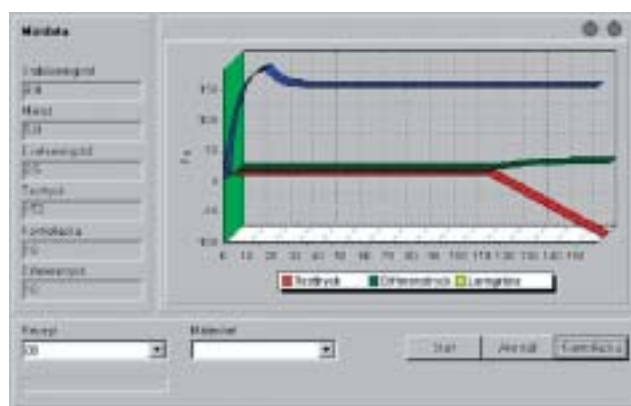
Optic Signals

The distinct green and red signal lamps displays all test results clearly.

Adjustable Calibration Leak

The calibration leak can be adjusted continuously and is well protected against unintentional adjustments.

Streamlining Functions and Properties



PC-control and collection of test data

Perfect for when you need to analyze data.

Automatic Setting

The instrument creates its own standard setting.

Optional Additional Language

In addition to the standard languages Swedish, English and German you can connect to a PC and add two more languages of your choice.

Automatic Power supply Accommodation

Simplifies transportation to other countries, 100-240V.

Fixture Control Capability

The internal control program with eight I/O has the capability to control external sequences. This is a cost effective solution as it replaces the PLC during minor control changes.

For example:

- Fixture movements
- External valves
- Automatic program changes
- Labeling the object

All programming is entered directly into the S9, no additional equipment is required - everything is included!



Application Example

The S9 can perform a number of different leak tests.



Time Saving Functions

QuickStop

Reduced measuring time with the help of a new technique!
Reduces the measuring time to approximately 1/4 of the original time using an advanced calculation of the leak development.

ZeroOffset

Compensate during external interference!
This function can offer extremely short cycles without affecting the test value negatively.

Measuring Unit

The separate measuring unit offers advantages such as easy access and a closer distance between the test site and the testing unit. This increases the possibility of achieving short cycles.

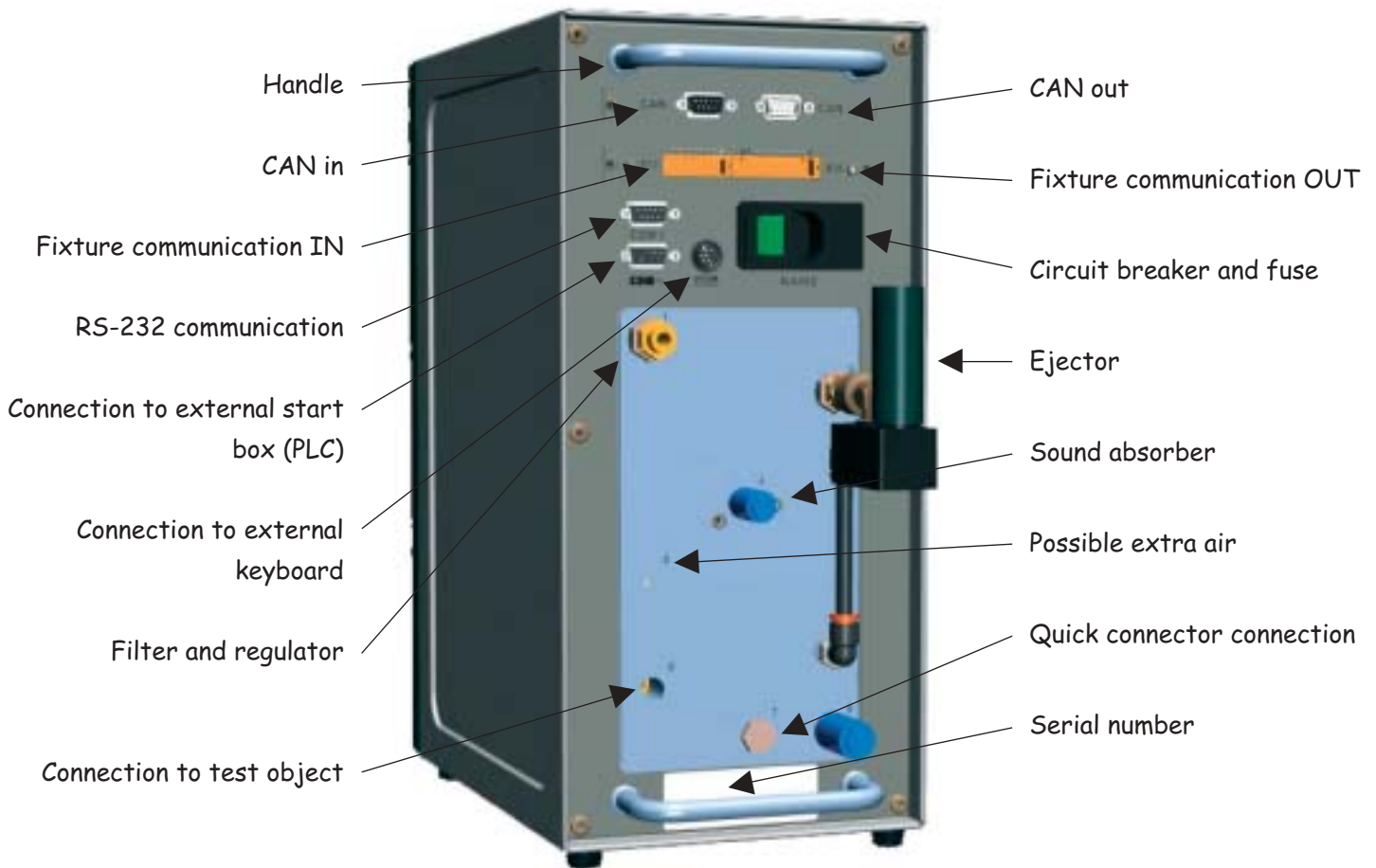


Multi-Circuit System

The multi-circuit system provides the same technical advantages as the complete instrument, but at a lower cost. It also provides the operator with a full overview of the tests and parameters on a single display.



CONNECTIONS:



OPTIONS

- PC-log and control program
- External Start/Reset box with Green/Red signal
- Modem connection
- Multiple test units
- Several active test value sensors for increased flexibility:
Differential pressure, mass flow, and absolute pressure.
- Fixture control card:
 - 8 Relay outputs
 - 8 Opto-insulated digital inputs

DIMENSIONS AND DATA

Network connection: 100-240 VAC / 0.9 A 50-60 Hz
 Weight: Approx. 16 kg
 Size: 188mm x 400mm x deep 315mm
 Sealing grade: IP32
 Color: Silver gray (RAL 6021) with a dark green front panel.
 Pressure range: -1 to + 5 bar (N)
 -1 to +0.5 bar (L)
 -1 to +15 bar (H)
 Designed for industrial use.
 CE-marked.

Subject to change at any time.



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