

*- A standard instrument with broad range of application in leak testing -*



TS 500 is an instrument for effective leak testing, available for immediate delivery. The instrument is easy to program via a simple and user-friendly menu structure. Ideal for leak testing, pressure testing and leak detection in most industries.

#### Technical data:

- Measuring range 0-500 Pa or 0-1000 mm<sup>3</sup>/s
- Digital display preset leak value in mm<sup>3</sup>/s.
- Manual regulator for setting of test pressure.
- Digital display of test pressure in bar.
- Integral reference leak for easy checking of function and calibration.
- 100 programs enabling simple exchange of test pieces.
- Graphic LCD display 8 lines 40 characters/line for clear and intelligible menus.
- Digital, external communication.
- Port for automatic connector.
- Logging of latest alarm type / date and time.
- Language options: Swedish, English, German.

Clear signal Tight (green) or Leak (red) after completed test, also available as electric signal. Statistical information of number of Tight and Leak is reached via the menu.

#### Types:

TS 511.1	Diff.pressure, over pressure	2-14 bar	TS 531.1	Flow testing., over pressure	2-14 bar
TS 511.2	Diff.pressure, over pressure	0.5-5 bar	TS 531.2	Flow testing., over pressure	0.5-4 bar
TS 511.3	Diff.pressure, over pressure	1.0-500 mbar	TS 531.3	Flow testing., over pressure	1.0-500 mbar
TS 512.4	Diff.pressure, under pressure	0-97% vacuum			

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*Specialists since 1973*

*Nolek develops, manufactures and markets equipment for leak testing, pressure testing, leak detection and non-destructive testing*



## TECHNICAL DATA

### Electronics

Processor:	80C186EB-20 16 bit CPU 20 MHz
Resolution:	12 bits
Measurement accuracy transducer:	0,1%
Data storing without current:	12 months
Data outlets:	1 serial
Inputs:	6 digital active high 1 digital active low
sensor	1 analogue for pressure sensor 1 analogue for diff. pressure
Outputs:	1 analogue general 4 digital, n/o 1 digital, n/o, n/c

Power supply 230V/2A, 50 Hz

### Pneumatics

Test medium	Dry and oil free compressed air
Compressed air supply	Min. 5 bar, 1 bar over max. test pressure
Adjustment of measuring pressure	Manual regulator
Transducer	Differential pressure or flow meter

### Dimension and weight

Dust and drip proof, lockable stove enamelled steel cabinet. IP 55

Weight ca 19 kg.

Complies with the requirements of the Swedish industrial safety authorities for pressure measuring methods.

Designed for industrial environment. CE-marked

All connection on the backside of the instrument.

Width\* depth\*height: 440\*310\*264 mm

### Performance - Differential pressure measurement

Measuring range	1-500 Pa
Resolution	1 Pa
Programmable timers	0,1-999,9 sec
Pressure range in steps	from vacuum to 16 bar
Programs	100
Measurement and repetition accuracy is dependant on application	

### General info

Keyboard	4 arrows keys Menu/Enter/Start/Reset/Leak
Display	Graphic LCD 8 lines 40 characters/line. Background illumination
Diode lamp	Signals for approved/not approved test piece

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