

We test, You produce.

PREMIER D

COMPACT CONTINUOUS LAMINAR FLOW TESTER

Without a doubt, the smallest high-performance continuous laminar flow tester on the market. Specially adapted for automatic or semi-automatic test machines, the Premier D has a full range of specifications at a very competitive price.

Highlights

- COMPACT FORMAT
- OPTIMIZED MEASUREMENT
- COMPETITIVELY PRICED
- EASY SET UP



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Flow Measurement

(D=Flow)		
RANGE	ACCURACY	MAXIMUM RESOLUTION
1 l/h	$\pm (2.5\% D + 0.001 \text{ l/h})$	= 1% of full scale
5 l/h	$\pm (2.5\% D + 0.005 \text{ l/h})$	= 1% of full scale
30 l/h	$\pm (2.5\% D + 0.030 \text{ l/h})$	= 1% of full scale
80 l/h	$\pm (2.5\% D + 0.080 \text{ l/h})$	= 1% of full scale
150 l/h	$\pm (2.5\% D + 0.001 \text{ l/h})$	= 1% of full scale
500 l/h	$\pm (2.5\% D + 0.001 \text{ l/h})$	= 1% of full scale
1,500 l/h	$\pm (2.5\% D + 0.001 \text{ l/h})$	= 1% of full scale
4,000 l/h	$\pm (2.5\% D + 0.001 \text{ l/h})$	= 1% of full scale
10,000 l/h	$\pm (2.5\% D + 0.001 \text{ l/h})$	= 1% of full scale

Main Features

- Continuous measuring mode
- Wide flow measurement range
- USA, S.I. and customer units
- Measurement in standard or customized conditions
- Recalculated flow at the nominal pressure
- Measurement element fully integrated into one module
- Indirect or direct testing
- 32 programs
- Profinet, Profibus, Ethernet IP, Devicenet

Serial Links:

RS232: printer, PC and parameter storage module
RS232: intelligent remote control RC55
RS485: ATEQ network

Options

- 7 inputs / 5 outputs
- Double capillary
- High accuracy mode
- Shut of valve / dumping / by pass
- 2 analogue outputs: current or voltage
- 2 pneumatic outputs for control of sealing connectors
- 6 x 24 V programmable outputs for external automation

Case Options

Rack mountable industrial case (D570)



Pressure Measurement

* Relative FS = Full Scale P = Pressure		
RANGE	ACCURACY	MAXIMUM RESOLUTION
FS = 75 mbar	$\pm (1.5\% \text{ of } P + 0.2 \text{ hPa})$	0.1% of full scale
FS < 0.3 bar	$\pm (1.5\% \text{ of } P + 1 \text{ hPa})$	0.1% of full scale
0/3 = FS = 1 bar	$\pm (1.5\% \text{ of } P + 3 \text{ hPa})$	0.1% of full scale
1 = FS = 5 bar	$\pm (1.5\% \text{ of } P + 7.5 \text{ hPa})$	0.1% of full scale

Pressure Ranges

Vacuum \longrightarrow 1,000 kPa

Technical Specifications

Physical

Weight: Approximately 16 lbs
Dimensions (WxHxD): 10" x 5.5" x 10"

Interface

Navigation keys, four-line LCD display, results indicator lights

Electrical supply

Voltage: 24 V DC / 2 A

Air supply

Clean and dry air required - Air quality standard to be applied (ISO 8573-1)

Temperature

Operating: 50°F to 113°F

Storage: 32°F to 140°F

Accessories

- Start/Reset remote control
- Intelligent remote control RC5
- Printer
- Parameter storage modules
- ATEQ software (WinAteq, S5 DEMO)
- Needle valve
- Sealing connectors
- Calibrated leak orifices
- Filtration kit
- Vacuum pump
- Shut off valves



CALIBRATED LEAK ORIFICES



CONNECTORS

ATEQ

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