D570

Continuous Laminar flow meter

- **DUAL DISPLAY - LCD AND HIGHT VISIBILITY LED'S**
- **OPTIMISED MEASUREMENT**
- **EASY SET-UP**
- **HIGH SPECIFICATIONS - COMPETITIVELY PRICED**
- **STANDARD INDUSTRIAL FORMAT**

5 SERIES

Without any doubt the high-performance continuous laminar flow meter on the market.

Specially adapted for automatic or semi-automatic test machines, the D570 has a full range of specifications at a very competitive price.

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
- 16 programs
- Serial links:
  RS232: printer, P.C. and parameter storage module
  RS232: intelligent remote control RC5
  RS485: ATEQ network
- And:
  Time and date display, choice of languages and units, customisation of tests for your requirements...

Options

7 inputs / 5 outputs

2 pneumatic outputs for control of sealing connectors

6 x 24 V programmable outputs for external connection

2 analogue outputs: current or voltage

Double capillary

High accuracy mode

Shut off valve / dumping / By pass

Applications

Flow control: cookers, ovens, valve, gas taps, gas burners, lighters

Leak detection: valve seats, gear boxes, hydraulic components, motors...

Control of aerosols, injectors...

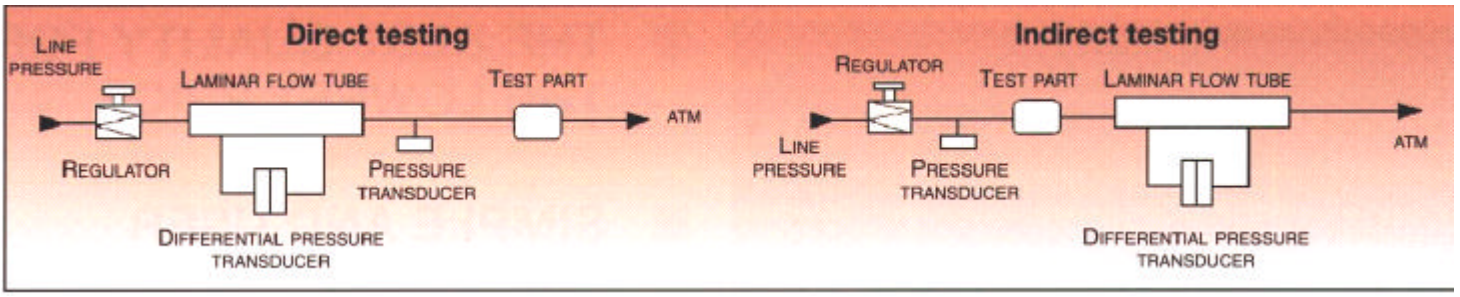
B-D570b-J

ATEQ
www.ateq.pl

Certifié ISO 9001 : 2000 par BVQI

CE

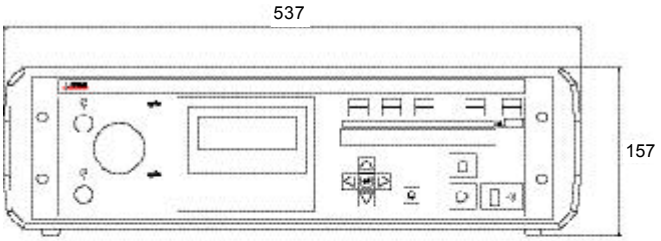
Principle of measurement



Measurement ranges

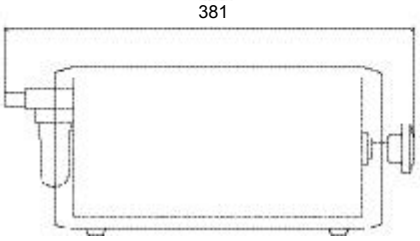
FLOW MEASUREMENT		
RANGE	ACCURACY	MAXIMUM RESOLUTION
5 l/h	± (2.5% D + 0.005 l/h)	≥ 1 % of full scale
30 l/h	± (2.5% D + 0.030 l/h)	≥ 1 % of full scale
150 l/h	± (2.5% D + 0.150 l/h)	≥ 1 % of full scale
500 l/h	± (2.5% D + 0.5 l/h)	≥ 1 % of full scale
1 500 l/h	± (2.5% D + 1.5 l/h)	≥ 1 % of full scale
4 000 l/h	± (2.5% D + 4 l/h)	≥ 1 % of full scale
10 000 l/h	± (2.5% D + 10 l/h)	≥ 1 % of full scale

D = Flow



PRESSURE MEASUREMENT		
RANGE	ACCURACY	MAXIMUM RESOLUTION
FS = 75 mbar	± (1,5% of P + 0.2 hPa)	0,1% of full scale
FS < 0.3 bar	± (1,5% of P + 1 hPa)	0,1% of full scale
0.3 ≤ FS ≤ 1 bar	± (1,5% of P + 3 hPa)	0,1% of full scale
1 ≤ FS ≤ 5 bar	± (1,5% of P + 7.5 hPa)	0,1% of full scale

* Relative
FS = Full Scale
P = Pressure



MECHANICAL PRESSURE REGULATOR
-20 - 80 kPa / 0.8 - 6 kPa / 0.5 - 14 kPa /
10 - 200 kPa / 40 - 400 kPa / 80 - 600 kPa

Technical specifications

- **Physical**
  Weight: approximately 7 kg
- **Interface**
  Navigation keys
  4-line LCD display
  Results indicator lights
- **External electrical supply**
  Voltage: 24 V DC / 2 A
  Main adaptater included (110 - 240 V AC)
- **Air supply**
  Clean and dry air required
  Air quality standard to be applied (ISO 8573-1)
- **Temperature**
  Operating : + 10°C to + 45°C
  Storage : 0°C to + 60°C

Accessories

Start/Reset remote control
Intelligent remote control RC5
Printer
Parameter storage modules
ATEQ software
(WINATEQ - S5 DEMO)
Needle valve
Master jet
Filtration kit
Vacuum pump
Sealing connectors

Please refer to ATEQ accessories list

Specifications subject to change without notice

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