

D535

Continuous laminar flow meter for manual test benches



- NEW PRACTICAL FORMAT
- OPTIMISED MEASUREMENT
- HIGH SPECIFICATIONS - COMPETITIVELY PRICED
- EASY SET-UP

Picture showing D535 including optional operator interface panel

5 SERIES

Specially adapted for the manual or semi-automatic test benches.

The D535 comes with a high level of specifications as standard together with the latest advances in measurement and operation.

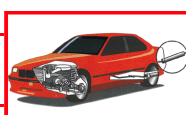


Main Features

- 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...



Applications



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

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

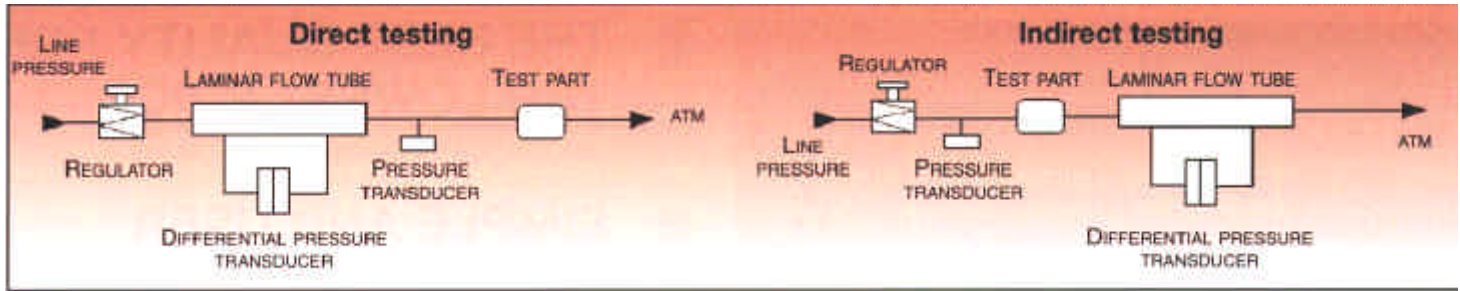
Control of aerosols, injectors...

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

B-23600b-U

Principle of measurement



Measurement ranges

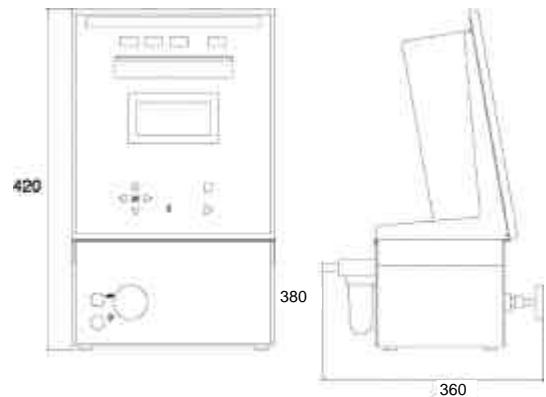
FLOW MEASUREMENT		
RANGE	ACCURACY	MAXIMUM RESOLUTION
1 l/h	$\pm (2.5\% D + 0.001 \text{ l/h})$	$\geq 1\%$ of full scale
5 l/h	$\pm (2.5\% D + 0.005 \text{ l/h})$	$\geq 1\%$ of full scale
30 l/h	$\pm (2.5\% D + 0.030 \text{ l/h})$	$\geq 1\%$ of full scale
80 l/h	$\pm (2.5\% D + 0.080 \text{ l/h})$	$\geq 1\%$ of full scale
150 l/h	$\pm (2.5\% D + 0.150 \text{ l/h})$	$\geq 1\%$ of full scale
500 l/h	$\pm (2.5\% D + 0.5 \text{ l/h})$	$\geq 1\%$ of full scale
1 500 l/h	$\pm (2.5\% D + 1.5 \text{ l/h})$	$\geq 1\%$ of full scale
4 000 l/h	$\pm (2.5\% D + 4 \text{ l/h})$	$\geq 1\%$ of full scale
10 000 l/h	$\pm (2.5\% D + 10 \text{ l/h})$	$\geq 1\%$ of full scale

D = Flow

PRESSURE MEASUREMENT		
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
$0.3 \leq \text{FS} \leq 1 \text{ bar}$	$\pm (1,5\% \text{ of } P + 3 \text{ hPa})$	0,1% of full scale
$1 \leq \text{FS} \leq 5 \text{ bar}$	$\pm (1,5\% \text{ of } P + 7.5 \text{ hPa})$	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



The D535 is versatile enough to have its regulator, pneumatic outputs, RS232 and quick connectors mounted either on the front or the rear panel depending on the application.

Technical specifications

- **Physical**
Weight: approximately 9 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 : 0°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



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