

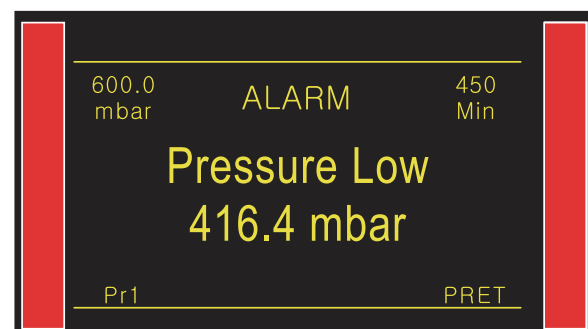
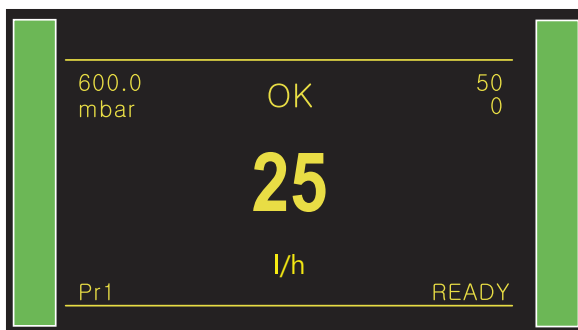
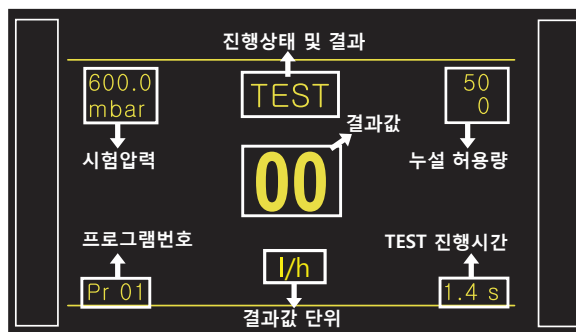


# D620

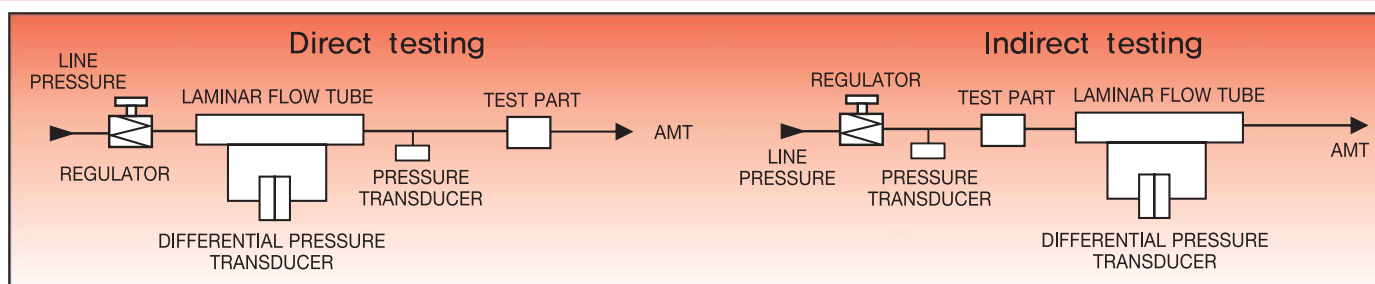
## Compact continuous Laminar flow meter



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



## Principle of Measurement



## Measurement Ranges

| FLOW MEASUREMENT |                                    |                     |
|------------------|------------------------------------|---------------------|
| Range            | Accuracy                           | Max. resolution L/h |
| 1 l/h            | $\pm(2.5\% F + 0.001 \text{ l/h})$ | 0.001               |
| 5 l/h            | $\pm(2.5\% F + 0.005 \text{ l/h})$ | 0.001               |
| 30 l/h           | $\pm(2.5\% F + 0.03 \text{ l/h})$  | 0.01                |
| 80 l/h           | $\pm(2.5\% F + 0.08 \text{ l/h})$  | 0.01                |
| 150 l/h          | $\pm(2.5\% F + 0.15 \text{ l/h})$  | 0.1                 |
| 500 l/h          | $\pm(2.5\% F + 0.5 \text{ l/h})$   | 0.1                 |
| 1.500 l/h        | $\pm(2.5\% F + 1.5 \text{ l/h})$   | 1                   |
| 4.000 l/h        | $\pm(2.5\% F + 4 \text{ l/h})$     | 1                   |
| 10.000 l/h       | $\pm(2.5\% F + 10 \text{ l/h})$    | 1                   |

## TEST PRESSURE MEASUREMENT

| RANGE                               | ACCURACY                                               |
|-------------------------------------|--------------------------------------------------------|
| P. E. = 75 mbar                     | $\pm(1.5\% \text{ of the pressure} + 0.2 \text{ hPa})$ |
| P. E. < 0,3 bar                     | $\pm(1.5\% \text{ of the pressure} + 1 \text{ hPa})$   |
| $0.3 \leq P. E. \leq 1 \text{ bar}$ | $\pm(1.5\% \text{ of the pressure} + 3 \text{ hPa})$   |
| $1 < P. E. \leq 5 \text{ bar}$      | $\pm(1.5\% \text{ of the pressure} + 7.5 \text{ hPa})$ |
| $5 < P. E. \leq 10 \text{ bar}$     | $\pm(1.5\% \text{ of the pressure} + 15 \text{ hPa})$  |

**MECHANICAL PRESSURE REGULATOR**  
vacuum / 14kPa / 200kPa / 400kPa / 800kPa

**ELECTRONICAL PRESSURE REGULATOR**  
vacuum / 20kPa / 50kPa / 100kPa / 200kPa / 500kPa / 900kPa

## Main Features

### Main features

- Flow measurement in direct or indirect testing
- Continuous measuring mode
- Wide flow measurement range
- USA, S.I. and customer units
- Measurement in standard or customised conditions
- Recalculated flow at the nominal pressure
- Measurement element fully integrated into one module
- 128 programs
- Mechanical or electronic regulator from vacuum to 10 bar
- Data storage on internal memory or USB key

- setting on line (via USB)
- 2 languages (English + other one)
- Manual calibration on front panel with calibrated leak

### Flexible communication format

- RS232: Printer, modbus RTU
- Slave USB: PC supervision (WinAteq 300, sesame)
- Master USB: USB key to transfert (parameters, results, ...)
- Option Fieldbus: Profibus, devicenet, profinet, Ethernet/IP, Modbus RTU

### Environment

- ROHS standard

## Technical specifications

|                            |                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Physical                   | Weight: approximately 7 kg                                                                                                       |
| Interface                  | Graphic color screen with simple and intuitive menu-driven operator controls<br>SMARTKEY: programmable key with user's functions |
| External electrical supply | Voltage: 24 V DC / 1.6 A<br>Mains adapter included (110-230 V AC)                                                                |
| Air supply                 | Clean and dry air required<br>Air quality standard to be applied (ISO 8573-1)                                                    |
| Temperature                | Operating: 0°C à +45°C<br>Storage: 0°C à +60°C                                                                                   |

### Option

- 9 inputs / 5 local outputs compatible with 5 series instruments
- 6 inputs/ 6 outputs 24 V programmable for external automation
- External capillary: closed to test port

- Electronic regulator
- Double capillary
- Shut off / dumping / by-pass valve
- 2 pneumatic outputs for control of sealing connectors
- Memory card for archiving results (1 millions)

### Accessories

- Simple remote control TLC 60 connexion I/O
- Advanced remote control TLC 600 connexion master USB
- USB key for parameters access
- Y valve
- WinAteq 300 software
- Leak calibrator
- Master jets
- Vacuum pump
- Sealing connectors

Please refer to ATEQ accessories list



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