

# PREMIER MF

## Differential Mass Flow leak tester



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

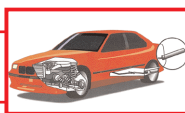
### 5 SERIES

**A**TEQ innovates in the measurement industry with this new instrument: the **PREMIER MF**

It associates speed with accuracy of leakage measurement through differential mass flow measurement / differential mass extraction.



### Applications



**Leak detection and flow control:** valve seats, gear boxes, hydraulic components, motors...

**Control** of aerosols, injectors...



### Main Features

- Measurement range: 2 / 20 / 200 sccm.
- Measurement units: SI, USA (SAE) and custom unit.
- Indications of the ambient temperature and atmospheric pressure.
- Measurement element fully integrated into one module
- 16 programs
- **Serial data link:**
  - RS232: printer, P.C. and memory modules
  - RS232: intelligent RC5 remote display
  - RS485: ATEQ network
- and:
  - Time & date, language and units choice, test customisation, ...

### Options

- 7 inputs / 5 outputs
- 2 pneumatic outputs for control of sealing connectors
- 6 x 24 V programmable outputs for external connection
- Electronic regulator
- Dual pressure
- High speed valve
- 2 analog outputs: current or voltage
- devicenet



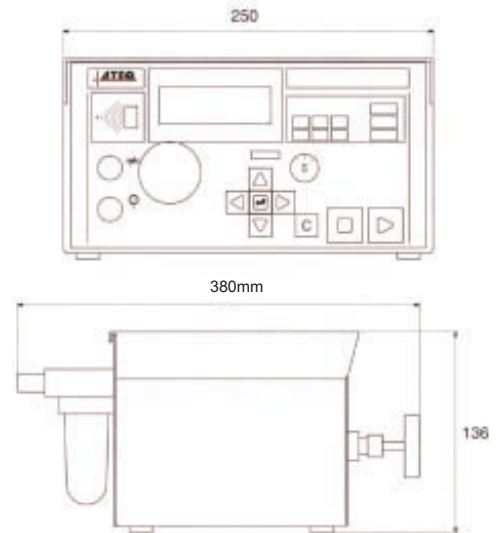
## Measurement Ranges

FLOW MEASUREMENT		
Range		
2.000 sccm		
20.00 sccm		
200.0 sccm		

PRESSURE MEASUREMENT		
GAMME	ACCURACY	MAXIMUM RESOLUTION
All ranges	P + 2 digits	0.1% of full scale

MECHANICAL PRESSURE/Vacuum REGULATION
5-50kPa(0.7-7.25PSI)/20-400kPa(2.9-58PSI)/Vacuum
50-900Kpa(7.25-130PSI)/500-1600kPa(72.5-232PSI)

ELECTRONICAL PRESSURE/Vacuum REGULATION
1-10kPa(0.15-1.45PSI)/5-50kPa(0.7-7.2PSI)/20-200kPa(3-29PSI)/50-500kPa(7-72PSI)
100-1000kPa(15-145PSI)/100-1600kPa(15-232PSI)/100-2000kPa(14.5-290PSI)/vacuum



## Technical Specifications

- **Physical**  
Weight : approximately 14lbs/7 kg
- **Interface**  
Navigation keys  
4-line LCD display  
Results indicator lights
- **External electrical supply**  
Voltage: 24 V DC / 1.6 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 : +50°F (10°C) to + 114°F(45°C)  
Storage : +32°F(0°C) to +140°F(60°C)

### Accessories

- Start/Reset remote control
  - RC5 intelligente remote control
  - Printer
  - Parameter and results storage modules
  - ATEQ software (WINATEQ, S5 demo)
  - Needle valve
  - Calibrated leak
  - Filtration kit
  - Vacuum pump
  - Sealing connectors
- Please refer to ATEQ accessories list*



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