

PREMIER MF

Differential Mass Flow leak tester



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

5 SERIES

ATEQ 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

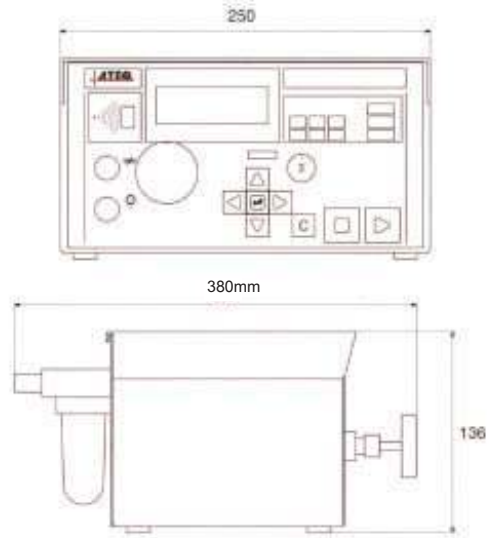
GAMME	ACCURACY	MAXIMUM RESOLUTION
All ranges	P + 2 digits	0.1% of full scale

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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