MF520

Differential Micro Flow tester

NEW — Fast, reliable, accurate

✔ **COMPACT FORMAT**

✔ **OPTIMISED MEASUREMENT**

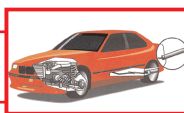✔ **HIGH SPECIFICATIONS - COMPETITIVELY PRICED**

✔ **EASY SET-UP**

5 ▶ SERIES

*A*TEQ *inovates in the measurement industry with this new instrument: the*

MF520

It associates speed with accuracy of leakage measurement through differential pressure drop measurement and flow measurement stability.

Main Features

■ Measurement range: 2 / 20 / 200 ml/min.

■ Measurement units: SI, USA (SAE) and custom unit.

■ Indications of the ambiant 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 control
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 analogic outputs: current or voltage

Fieldbus

Applications

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

Control of aerosols, injectors...

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ISO 9001 — REGISTERED QUALITY SYSTEM — SGS

CE

Measurement Ranges

FLOW MEASUREMENT		
RANGE	ACCURACY	MAXIMUM RESOLUTION
2 ml/min	± .2.5 % of Flow + 0.002 ml/min	0.001
20 ml/min	± 2.5 % of flow + 0,02 ml/min	0.01
200 ml/min	± 2.5 % of flow + 0.2 ml/min	0.1

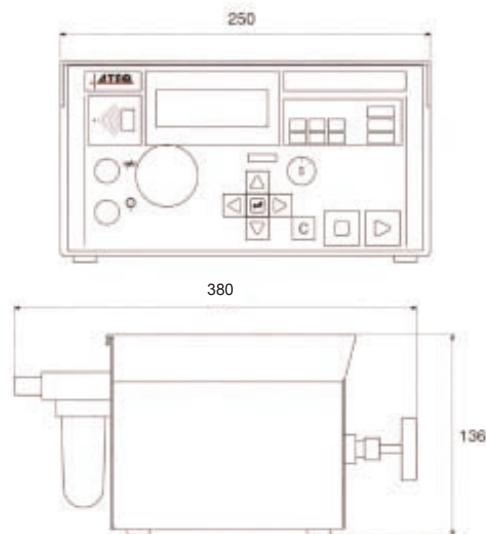| PRESSURE MEASUREMENT		
GAMME	ACCURACY	MAXIMUM RESOLUTION
All ranges	P + 2 digits	0.1% of full scale

MECHANICAL PRESSURE REGULATION
vacuum / 5-50 kPa / 20-400 kPa / 500-900 kPa / 500-1600 kPa

ELECTRONICAL PRESSURE REGULATION
vacuum / 1-10 kPa / 5-50 kPa / 20-200 kPa / 50-500 kPa / 100-1000 kPa / 100-1600 kPa / 100-2000 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 / 1.6 A
  Main adaptater included 110 - 240 V AC

- **Air supply**
  Clean and dry air required
  Air qulaity 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
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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