

MF520

DIFFERENTIAL MICRO FLOW TESTER

ATEQ 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.

Highlights

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



Applications

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



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Measurement Ranges

FLOW MEASUREMENT		
Range	Accuracy	Maximum resolution
2 ml/min	$\pm 2.5\%$ of Flow + 0.002 ml/min	0.001 ml/min
20 ml/min	$\pm 2.5\%$ of Flow + 0.02 ml/min	0.01 ml/min
200 ml/min	$\pm 2.5\%$ of Flow + 0.2 ml/min	0.1 ml/min

PRESSURE MEASUREMENT		
Range	Accuracy	Maximum resolution
All ranges	P + 2 digits	0.1% of full scale

Main Features

- Measurement range: 2 / 20 / 200 ml/min
- 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

Environnement

Normes ROHS

Flexible Communication format

- RS232: printer, P.C. and memory modules
- RS232: intelligent RC5 remote control
- RS485: ATEQ network

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



REMOTE CONTROL

Technical Specifications

Physical	Weight: approximately 7 Kg Dimensions: (LxHxP) 250 x 136 x 380 mm
Interface	Navigation keys 4-line LCD display Results indicator lights
External electrical supply	24VDC/1.6A ou 110 à 240VAC
Air supply	Clean and dry air required Air quality standard to be applied (ISO 8573-1)
Temperature	Operating: +10°C to +45°C Storage: 0°C to +60°C

Option

- 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

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



MF570 19"3U CASE

ATEQ

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