MF520
MASS FLOW TESTER

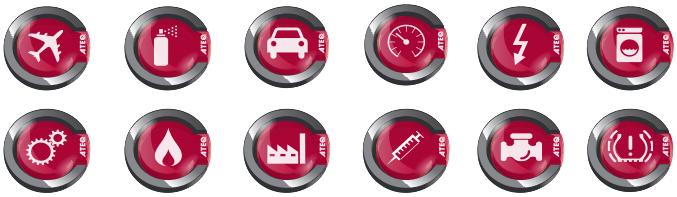
ATEQ innovates in the measurement industry with this new instrument: the MF520. It associates speed with accuracy of leakage measurement through differential pressure drop measurement and flow measurement stability.

BENEFITS

- → COMPACT FORMAT
- → OPTIMISED 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 (mL/min)	Accuracy (mL/min)	Max. resolution (mL/min)
2	+/- (2.5 % Rdg + 0.002)	0.001
10, 20 or 50	+/- (2.5 % Rdg + 0.02)	0.01
200	+/- (2.5 % Rdg + 0.2)	0.1

Rdg: Reading

PRESSURE MEASUREMENT		
Range	Accuracy	Max. resolution
FS= 20, 75 or 140 mbar	+/- (1.5% Rdg + 0.2 hPa)	0.1 % FS
FS= 100 or 200 mbar	+/- (1.5% Rdg + 1 hPa)	0.1 % FS
FS ≤ -850 mbar 0.3 bar < FS ≤ 2 bar	+/- (1.5% Rdg + 3 hPa)	0.1 % FS
2 bar < FS ≤ 5 bar	+/- (1.5% Rdg + 7.5 hPa)	0.1 % FS
5 bar < FS ≤ 10 bar	+/- (1.5% Rdg + 15 hPa)	0.1 % FS

Rdg: Reading
FS: Full scale

Main Features
- Measurement range: 2 / 10 / 20 / 50 / 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

Flexible Communication format
- RS232: printer, P.C. and memory modules
- RS485: ATEQ network

Mechanical pressure regulation
- -80 to -2kPa / 5 to 50 kPa / 20 to 400 kPa / 50 to 800 kPa

Electronical pressure regulation
- -80 kPa to -2 kPa / 1 kPa to 10 kPa / 5 kPa to 50 kPa / 20 kPa to 200 kPa / 50 kPa to 500 kPa / 100 kPa to 1000 kPa / 100 kPa to 1600 kPa / 100 kPa to 2000 kPa.

Please contact us for other specific pressures.

Technical Specifications

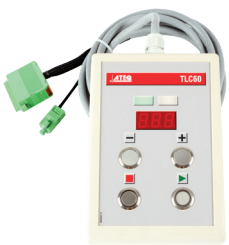
Physical	Weight: approximately 7 Kg Dimensions: (LxHxP) 250 x 136 x 380 mm
Interface	Navigation keys 4-line LCD display Results indicator lights
External electrical supply	24VDC/1.6A or 110 to 240VAC
Air supply	Clean and dry air required Air quality standard to be applied (ISO 8573-1)
Temperature	Operating: +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
- Printer
- ATEQ software (WINATEQ, S5 demo)
- Needle valve
- Calibrated leak
- Filtration kit
- Vacuum pump
- Sealing connectors

Please refer to ATEQ accessories list

Environment
- Norm ROHS



REMOTE CONTROL

MF570 19"3U CASE

Specifications subjects to change without notice, non-contractual photos. June 2026.

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