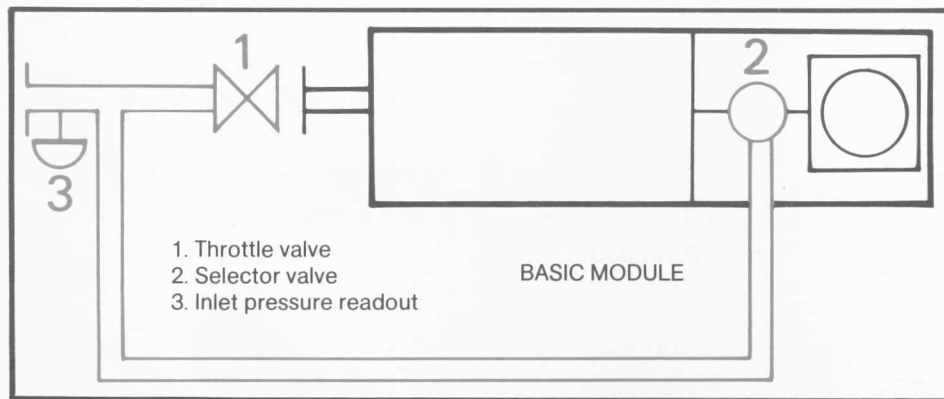


ASM 10

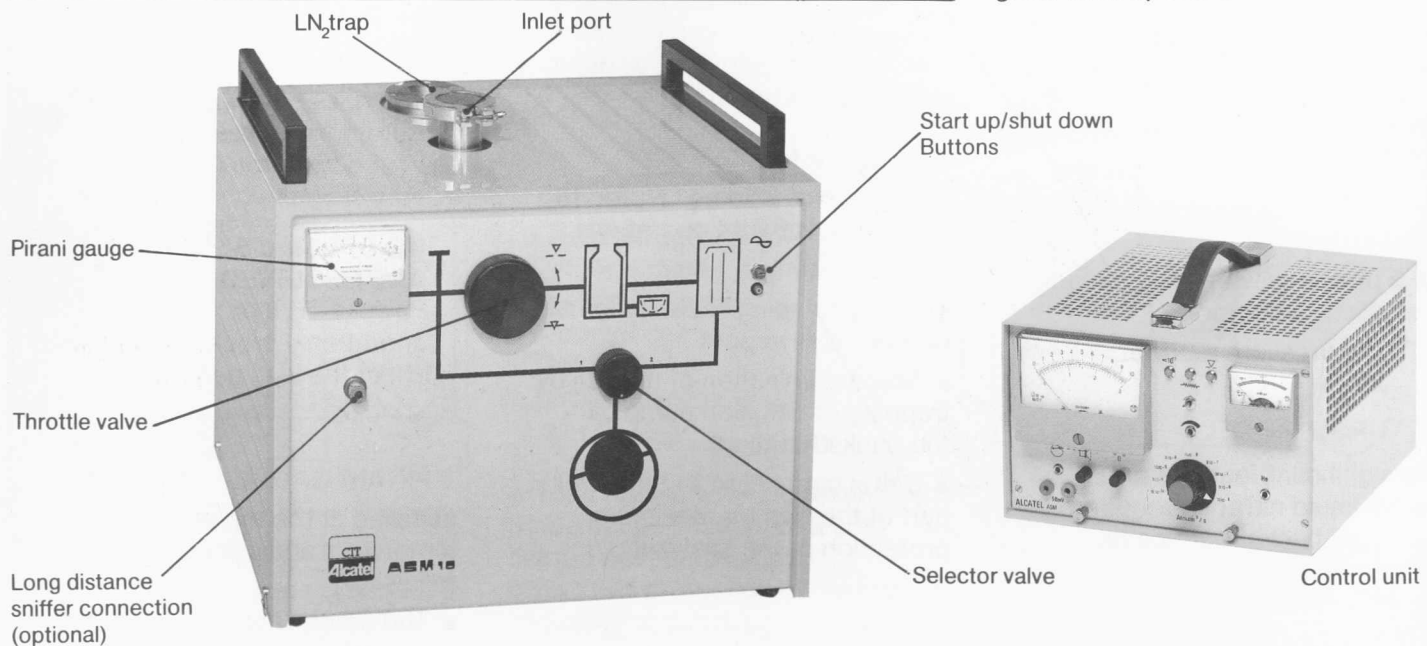
THE MOST COMPACT AND COMPLETE LEAK TEST UNIT EVER OFFERED — MODEL ASM 10 — ASM 110 T



In addition to the basic design concept, ALCATEL ASM 10 and ASM 110 T feature a throttle valve (1), a selector valve (2) and an inlet pressure readout (3) allowing roughing of items of 10 liters (.35 ft³) volume.

The unit is fully protected at inlet port, filament and pump against power failure or air inrush.

The pirani gauge being sensitive to helium, it can be used for large gross leak operations.



APPLICATIONS

Compact and easily transportable, the ASM 10 has been specifically designed for individual testing. The built-in mechanical backing/roughing pump makes it a complete leak test station always ready for use and simple to operate. The ASM 10 is particularly suitable for:

- Testing items up to 10 liters (.35 ft³) capacity.
- All sniffing applications, including long distance sniffing (optional).
- On-site testing of complex installations equipped with their own vacuum system.

SPECIFICATIONS

ASM 10
ASM 110 T

Sensitivity :
2 x 10 ⁻¹¹ atm cc/s (helium)
8 x 10 ⁻¹² atm cc/s (air)
Leak range direct readout :
2 x 10 ⁻¹¹ atm cc/s to
1 x 10 ⁻⁵ atm cc/s in 9 scales
Response time : 0.5 s
Pumping speed : (at the cell)
21 l/s for helium 8 l/s for air
Maximum detectable leak :
1 atm cc/s

ORDERING INFORMATION

ASM 10	P/N
220 V/1 Ph/50 Hz	786790
115 V/1 Ph/60 Hz	786790
	+ 785813
220-240 V/1 Ph/50 Hz	786790
	+ 785812
Minor kit	067541
Major kit	067542
ASM 110 T	P/N
220 V/1 Ph/50 Hz	797041
Option 115 V/1 Ph/60 Hz	785813
or 220-240 V/1 Ph/50 Hz	785812
Long distance sniffer (option)	785801
Minor kit	067887
Major kit	067885

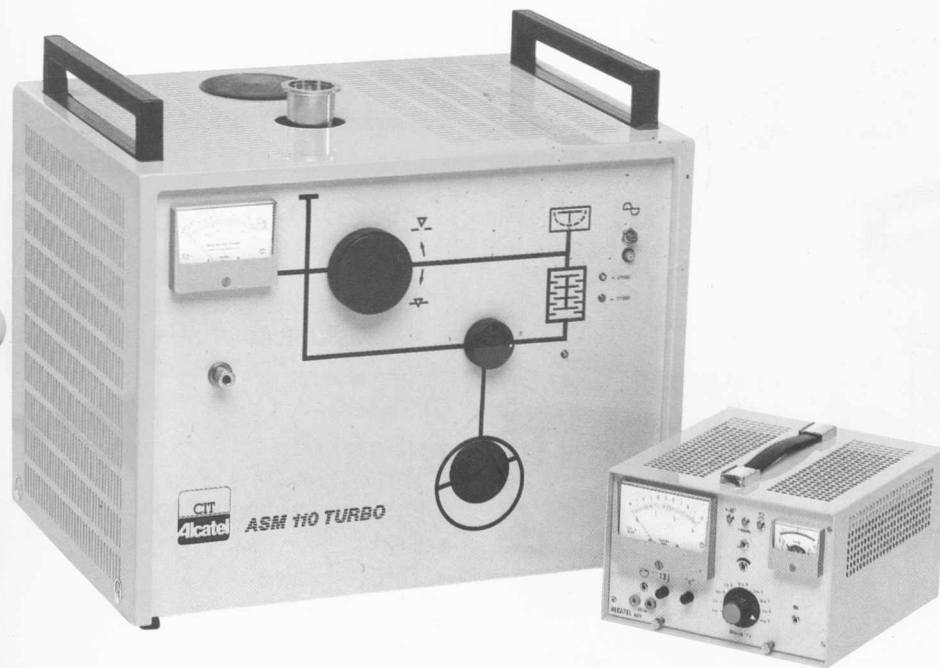
ASM 110 T TURBO

COMPACT, COMPLETE WITHOUT LIQUID NITROGEN

The Turbo detector ASM 110 T is equipped with a turbomolecular pump, which avoids oil vapor pollution of the analyzer without liquid nitrogen (LN₂).

This unit presents the following features :

- No liquid nitrogen.
- Immediate start-up (2-3 min)
- Single push-button operation.
- No cold cathode gauge.
- Single helium peak adjustment.
- Compact and portable.



OPTIONS

- 2012 A mechanical two stage pump 15 m³/h (50 Hz) or 11 cfm (60 Hz).
- US inlet port (p. 26).
- Three masses (p. 26 ASM 10 only)
- Long distance sniffer (p. 26).
- Cart (p. 25).

Other options : see p. 26-27.

Accessories : see p. 28-31.

UTILITIES

220 V/50 Hz or 115 V/60 Hz single phase (other voltages on request).

USE OF ASM 10 OR ASM 110 T WITH AN AUXILIARY PUMPING UNIT

To test large or complex volumes, it may be necessary to use an auxiliary pumping unit to shorten pump down time. The ASM 10 and ASM 110 T are easily converted into a powerful leak station by adding an adapted pumping unit (mechanical pump or Roots blower depending on the volume of the test piece and the required pump down time).

POWER CONSUMPTION

220 V/50 Hz : 750 Watts (3,4 A)

115 V/60 Hz : 750 Watts (6,5 A)

APPLICATIONS

- Testing small items up to 20 liters volume.
- Testing installations equipped with their own vacuum system.
- All sniffing applications.
- Gas analysis.

ASM 110 T. MG

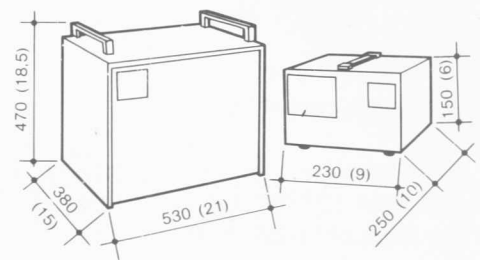
ASM 110 T can be delivered with a quadripole RGA instead of the analyzer cell.

- Ultra high vacuum technology (all metal seals).
- 1 to 120 Am μ.
- No penning gauge (total pressure measured by the RGA)

Applications

- Leak testing with tracer gases other than helium, i.e argon, neon, etc.
- Gas analysis
- Permeameter with a sensitivity up to 1 atm cc/day/m².

DIMENSIONS mm (inches)



WEIGHT

ASM 10 : 53 kg (116 lb)

Controls : 5 kg (11 lb)

ASM 110 T : 56 kg (123 lb)