

TG 240D

GAS LEAK DETECTOR "ALL GASES" : HELIUM, ARGON, HYDROGEN...

DATASHEET



Gas leaks detection for tightness control, by sniffing, at atmospheric pressure.



Thermal conductivity cell



OLED graphic display



Compact and robust housing

Find us on : www.sapre.fr

**YOU HAVE A JOB TO DO,
WE HAVE THE RIGHT TOOLS**

Application

The TG 240D is used for tightness control applications; especially for the detection of Helium or Argon. «ALL GASES» portable leak detector, for universal use.

Conception

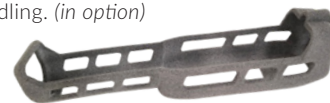
Designed for expertise and industrial use; wear parts (sniffer pipe, cable and detection block) are directly interchangeable for easy maintenance.

Maintenance

Maintenance and supply of spare parts are provided directly by the manufacturer SAPRE.



🔧 **Protective cover**
protects the case from shocks and optimizes handling. (in option)



🔧 GRAPHICS RAMP

Progressive graphical ramp indicating the estimate of the leakage value according to the sensitivity setting.

🔧 Gas selector

Gas type selection button [He] / [Ar].

🔧 Sensitivity selector

3 sensitivity positions: HI, MED and LO.

🔧 Detection block

Detection block including the thermally conductive cell and the suction system.

🔧 Flexible pipe

Calibrated flexible pipe easily replaceable with protective tip.

🔧 Optional: Stainless steel capillary pipe

Stainless steel capillary tube with an outer diameter of 3 mm. Standard length of 7 cm, other lengths available.



Specifications

Housing Shockproof plastic case, Height 22 cm, Width 5 cm, Depth 4 cm, Weight 0.350 kg

Power supply Build-in rechargeable batteries, Autonomy 6-8h. Full recharge approx. 12 hrs.

Uses For expertise or production. Optimal performance between 10 and 40 °C.
Non Explosion Proof Detector. Never use in a hazardous or explosive atmosphere.

Detection bloc Detection block with suction for quick response time and degassing.
Unsaturable thermal conductivity cell.
Interchangeable calibrated flexible pipe with protective tip.

Cable Spiral probe cable, length 1 meter relaxed.

Warming-up Cell heating time: 60 seconds approx.

Response time 1 second approx.

Sensitivity	value min.	value max.	value min.	value max.	
• Helium	1.10-5 cc/s	1.10-2 cc/s	• Methane	4.10-5 cc/s	3.10-2 cc/s
• Hydrogen	1.10-5 cc/s	1.10-2 cc/s	• Refrigerants gases	3.10-5 cc/s	2.10-2 cc/s
• Argon	5.10-5 cc/s	4.10-2 cc/s	• Oxygen	5.10-3 cc/s	
• CO2	4.10-5 cc/s	3.10-2 cc/s	• Nitrogen	5.10-2 cc/s	
• SF6	4.10-5 cc/s	3.10-2 cc/s	• other gases, contact us		

Calibration 3 preset sensitivity positions: HI, MED, LO.
• [He] Position, with 100% light baragraph : HI > 5 10⁻⁵ cc/s, MED > 1 10⁻⁴ cc/s, LO > 1 10⁻³ cc/s.
• [Ar] Position, with 100% light baragraph : HI > 3 10⁻⁴ cc/s, MED > 5 10⁻⁴ cc/s, LO > 5 10⁻³ cc/s.

Zeroing Automatic zeroing on the ambient atmosphere.

Display Progressive graphic ramp with sound signal according to the leak detected.
Battery level and ambient contamination indication.
Permanent self-monitoring: cell error and low battery level.

Warning lights Battery charge indicator light.

Carrying case Detector supplied complete in transport case with mains charger and user manual.

For more information on our products, applications and services, contact our sales department.



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in order to follow the technological evolution, SAPRE reserves the right to modify its models without notice - TG 240D v1.09.2026