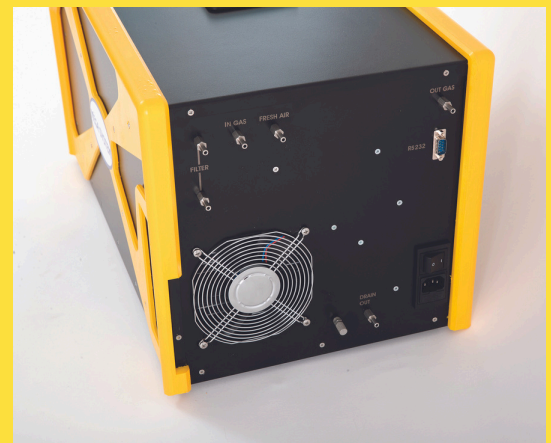


THYRIS



- Portable gas analyzer
- Paramagnetic O₂ sensor (UNI EN 14789)
- CO NDIR sensor (UNI EN 15058)
- NO_x chemiluminescence sensor (UNI EN 14792)
- Efficient Peltier system
- Large touch screen display



Thyris is a portable analyzer for detecting and measuring gas and fume emissions in various types of industrial plants. Thyris is able to identify many elements: **Oxygen (O₂)** concentration volume in compliance with UNI EN 14789 (paramagnetic technique), **Carbon Dioxide (CO₂)** through NDIR sensors, **Carbon Monoxide (CO)** in compliance with UNI EN 15058 through a dedicated NDIR sensor and **Nitrogen Oxides (NO_x)** in compliance with UNI EN 14792 (chemiluminescence technique).

The use of a heated line probe, and a specially designed filtering and cooling system, guarantees "dry" gas input to the sensor circuit, making it possible to carry out demanding and prolonged measurements even in the presence of high condensation.

MAIN FEATURES

- Instrument use and programming are carried out via the large touch screen in an easy and intuitive way.
- The analyzer is equipped with a filtration system and an integrated PELTIER cell cooling system with automatic condensate discharge.
- The software allows for continuous or timed analyzes and records average values. The minimum acquisition time is 15 seconds.
- The data collected and processed can be stored for later consultation or transferred to a Pen Drive USB or RS232. Through the Calibration menu and with the help of certified gas mixtures, the operator can easily verify or adjust the analyzer as required by regulations.
- The instrument is powered by mains grid (230 Vac / 50 Hz).
- With the Thyris analyzer it is possible to use the FIREFLY sampling probe with heated filter, thermostated up to 180° C. A 3 µm interchangeable filter is housed in the filter holder.
- The instrument is supplied complete with a technical manual, a test report and a transport case.

TECHNICAL SPECIFICATIONS

• INTERFACE, DATA STORAGE	
Display	LCD 7" Touch Screen
Interface	RS232 and USB
• ENVIRONMENTAL CONDITIONS	
Temperature	0 °C ÷ +45 °C - 95% UR
• ENERGY	
Power	Mains power supply [input 230 Vac - 50 Hz]
• WEIGHT	
	20 kg
• EQUIPPED WITH	
	Technical manual
	Test report
	Case for the transport

• SENSORS			
	Range	Resolution	Linearity
O ₂ (paramagnetic)	0 ÷ 25% vol	0,01% vol	1% F.S.
CO ₂ (NDIR)	0 ÷ 25% vol	0,01% vol	1% F.S.
CO (NDIR)	0 ÷ 200 ppm	1 ppm	2% F.S.
NO _x (chemiluminescence)	0 ÷ 1000 ppm	1 ppm	1,5% F.S.

• SENSORS' OPTIONS			
Sensortype	Range	Resolution	Accuracy
Electrochemical Sensors for SO ₂	0 ÷ 2000 ppm	1 ppm	± 1%
CO (NDIR)	0 ÷ 2000 ppm	1 ppm	1,5% F.S.
CO (NDIR)	0 ÷ 500 ppm	1 ppm	2 %F.S.

THYRIS

