



New Instruments and
Research for Analysis

SCORPIO SERIES 3000

TAURUS SERIES 4000

**AUTOMATIC VOC ANALYZERS TO CONTROL
RECOVERY SOLVENT PLANTS**

These multi-line VOC analyzers can be integrated and used to control many different phases of any Recovery Solvent Plant.

Applications

The **SCORPIO 3000** system is suitable for **"stripping steam"** Recovery Solvent Plant.

The **TAURUS 4000** system is suitable for **"stripping inert gas"** Recovery Solvent Plant.

BENEFITS

- > **The only system able to check the solvent concentration during the stripping phase of the absorbers.**
- > **Extraordinary long time stability:**
sampling loop instead of continuous capillary flow.
- > **Lower maintenance and management costs:**
exclusive sampling valve (no mechanical parts in motion), ejector sampling system (maintenance free) instead of the classic sample pump and only one servo gas required (hydrogen).
- > **Very easy interfacing:**
PC embedded technology working on Windows®XP operating system (Ethernet and USB ports).



Scorpio – Taurus

■ POINTS OF ANALYSIS

One point of analysis can be used to monitor the solvent concentration at the entrance of the Recovery Solvent Plant. Some points of analysis can be used to monitor the solvents concentration inside the activated carbon adsorbers. One point of analysis can be used to monitor the TOC in emission from the chimney. Others points of analysis can be created and used based on specific customer needs.

■ CONFIGURATION

The system is supplied inside a standalone rack IP55 and multi-line sampling system.

■ OPTIONS

Independent L.E.L. monitoring system also available. (Sagittarius system).
Independent emission monitoring system available under European regulation (Aries system).

■ TECHNICAL SPECIFICATIONS

DETECTOR	<i>Flame Ionization</i>
MEASUREMENT (Low conc.)	<i>0-50, 100, 1000, mg/Nm³</i>
MEASUREMENT (Medium conc.)	<i>0-10, 20 g/Nm³</i>
MEASUREMENT (High conc.)	<i>0-200, 500 g/Nm³</i>
ANALYTICAL LINES	<i>10 lines</i>
RESPONSE TIME	<i>3 seconds for each line</i>
LOWER DETECTABLE LEVEL	<i><0,2% FS</i>
ACCURACY	<i>±1% FS</i>
LINEARITY	<i>±1% FS</i>
REPEATABILITY	<i><1% FS</i>
WORKING TEMPERATURE	<i>+5°C; +40°C</i>
HYDROGEN PRESSURE	<i>3 bar</i>
HYDROGEN CONSUMPTION	<i>40 ml/min.</i>
AIR PRESSURE	<i>4 bar</i>
SERVO AIR CONSUMPTION	<i>350 ml/min</i>
EJECTOR AIR CONSUMPTION	<i>from 4 to 12 m³/h</i>
ALARMS	<i>Normally closed relay contacts, free of tension</i>
OUTPUTS	<i>0-10V, 4-20mA, RS 232, USB, Ethernet</i>
DISPLAY	<i>TFT screen 10,5"</i>
POWER SUPPLY	<i>230Vac, 50/60Hz, 500Va (110V in option)</i>
DIMENSIONS (Box Version)	<i>n°2 modules: 19" x6u x47cm.</i>
DIMENSIONS (Rack Version)	<i>600x800x1900mm (L x W x H)</i>
WEIGHT (Box Version)	<i>20 kg (each)</i>
WEIGHT (Rack Version)	<i>200 kg</i>



NEW INSTRUMENTS and RESEARCH for ANALYSIS s.r.l.

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