

SALES PROGRAM



- DENSITRAK:** vibration type density meter for liquids
- SYNCROTRAK:** meter prover
- CONDAT:** data acquisition and processing system for flow meter proving



- Model 412:** Process "NIR" Analyzer system that includes the **spectrophotometer**, one or more "NIR" probes, fiber optic cables and intelligent scanning and analysis **SOFTWARE**. It uses near-infrared radiation to collect spectral data from liquids, gases, slurries, glass and polymer- based film. Readings can be made at any time, providing real-time process information. A true patented integrated **MULTIPLEXER** together with light input modules, permits the Model 412 to monitor up to twelve probes simultaneously.
- Model LAB412:** Laboratory Fiber Optic Spectrophotometer offers multi-channels near infrared (**NIR**) scanning and analysis for process analytical, QC method development and routine analysis **LABORATORIES**.
- Model H₂O₂:** Vapor monitor for measurement of Hydrogen peroxide and water vapor concentrations during sterilization processes.



- **Gas analysis:**
 - H₂S and H₂S/Total sulfur in gas analyser. Analytical method: lead acetate tape. **Portable, laboratory and process** model available.
 - "tail gas"(H₂S/SO₂) analyser for super-claus process.
 - Electronic Volume Corrector (EVC), Electronic Pressure Recorder (EPR) and 3-Channel Electronic Recorder (ER) for natural gas.

Micro Gas Chromatograph:

- Analysis in gas and liquid
- Sulfur compounds separation
- BTU, specific weight analysis on natural gas.

WATER analysis

- Wet chemical analyzers capable of both process analysis and the monitoring of water and wastewater working principle colorimetric, titration and ion selection (ISE)

Models SENTINEL - FPA

Typical applications:

Acids, Alkalinity, Aluminium, Ammonia, Caustic, Carbonate, Chlorine, Chrome, Color, Copper, Fluoride, Hardness, Hardness in Brine, Iron, Manganese, Nickel, Nitrate, Nitrite, Peroxide, Phosphate, Silver, etc.

- turbidimeter series **MONITURB**
- suspended solids analyzers series **AS/AT**
- oil in water (floating) series **FLUCOMAT**
- colorimeters series **MONISPEC**

VISCOSITY analysis

- viscosity analyzers series **VISCOLINER**

Certificato n° 9160.PA01



HOBRE' INSTRUMENTS

WOBBE INDEX ANALYZER (WIM)

To measure the Wobbe Index and Air Demand of natural gas, refinery fuel gas and biogas.
Installation: in classified areas (Atex certified) and general purpose areas.



- Model CGS100:** Combustible gas detector for **vapors and solvent**
General Purpose
Range: **0-100% LEL**
- Model CGS500:** Combustible gas detector
Certification: **ATEX Eexd IIC T6**
Range: **0-100% LEL**
- Model S500:** Intelligent **gas transmitter** for **Combustible gases, vapor and solvents**
Range: **0-100% LEL**
Certification: **ATEX Eexd IIC T6**
- Model IR100:** Single point NDIR **gas transmitter** for **CH₄, CO, CO₂ and Freons**
General Purpose
- Model IR 80:** Single point **NDIR diffusion transmitter** for **CO₂ (0-3% vol.)**
- Model T100:** Toxic gas **transmitter** for **O₂, H₂S, NH₃, CO, Cl₂ etc.**
Certification **ATEX EExia IIC T4**
- Monitor:** Single channel, four channel **wall mounted**, Multichannel **rack/panel mounted**
- Calibration ampoules:** for **H₂S, NH₃, Cl₂, SO₂ etc.**



- Trace/percent analysis of gases (H₂, N₂, He, Ar, CH₄ etc.)**
 - ✓ **Analyzers/transmitters/leak detectors thermal conductivity type series 2000**

ATEX – FM – UL – CSA certification available

- OXYGEN analysis**
 - ✓ **Electrochemical cell** analyser ppm/% levels series 3000
 - ✓ **Paramagnetic** analyser series 3000 M
 - ✓ **Zirconium Oxide** analyser series 9060 (%)
 - ✓ **Zirconium Oxide** analyser series 3000 Z (ppm to %)
 - ✓ **Electrochemical cell two-wire** transmitter mod. INSTA TRANS (ppm/%)
 - ✓ **Replenishable electrochemical cell ultrapure gas** analyser series BDS

ATEX – FM – UL – CSA certification available

- Total HYDROCARBONS analyser in gas and liquid**
 - ✓ **FID sensor** analyser - series 4000

EPA COMPLIANCE available

Certificato n° 9160.PA01



- ❑ **Single component trace/percent analyser in a gaseous or liquid blend**
 - ✓ **N.I.R. (near infrared)** analyser series 5000
 - ✓ **U.V. (ultra violet)** analyser series 6000
 - ✓ **OIL-IN-WATER (U.V. – U.V. fluorescence)** analyzer mod. 6600
 - ✓ **N.D.I.R. (IR non dispersive/IR GFC)** analysers series 7000
 - ✓
ATEX – FM – UL – CSA certification available
 - ✓ **Multiparameter/N.D.I.R.** analyzers series 7500 - 7600
- ❑ **UV/VIS/NIR Transmitter** – mod. PHOTO X
- ❑ **MOISTURE analysis in gas**
 - ✓ **Al₂O₃ sensor HTF technology** - Serie 8800 (dew-point/ppm)
 - ✓ **Al₂O₃ sensor HTF technology** two-wire transmitter – Mod. 8800 T and 8800NG
 - ATEX – FM – UL - CSA certification available*
- ❑ **TOC analyzers** with measuring principle U.V. persulfate, high temperature, ozone promoted
- ❑ **ENVIRONMENTAL monitoring**
 - ✓ **SO₂ - H₂S U.V. fluorescence** analyser
 - ✓ **NO/NO₂/NO_x - NH₃ chemiluminescence** analyser
 - ✓ **CO - CO₂ infrared GFC technology** analyser
 - ✓ **O₃ U.V.** analyser
 - ✓ **O₂ Zirconium Oxide** analyser
 - ✓ **Dust/opacity** monitor with **tricoelectric technique**
EPA certification available
- ❑ **Multicomponents** analyzers for **O₂ CO, CO₂**, ect. with **TLDAS** technique series LGA - 3500
- ❑ **Dissolved oxygen, pH, conductivity, ORP, PION and resistivity** analyser serie LXT

Portable analysers

- ✓ Thermal conductivity analyser – Series 2000
- ✓ **O₂** (ppm/%) analyser - Series 300 and 3190
- ✓ **Combustion Efficiency** analyser - MAX 5
- ✓ **Environmental** analyser - Series 9000
- ✓ **Moisture** analyser - Mod. 8800 P
- ✓ **CO, CO₂, CH₄ etc. I.R. (infrared)** analyser - Mod. 7000 P
- ✓ **H₂ Leak** analyser - Mod. 2240
- ✓ **H₂S** analyser - Mod. 801 P
- ✓ **O₂ e CO₂ “head space” and “vacuum package”** analyser - Mod. 9070 **food and pharmaceutical application**
- ✓ **Toxic and Explosive gas** detection - Mod. CROWCON

ATEX – FM – UL - CSA certification available

Special applications

- ✓ **CDQC:** CO₂ quality control system, trace analysis of: sulfur, hydrocarbons, moist, oxygen

Integration

- ✓ Sampling system, sample recovery system, cabinets, shelters.

Technical assistance

- ✓ Start-up / commissioning / maintenance contract / global-service / repairing

pA processAnalyzers srl

Marketing and communication Department

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