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MEDICAL GASES PURITY

 **ORTHODYNE**
GAS CHROMATOGRAPHY

www.orthodyne.be

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GAS CHROMATOGRAPHY

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Orthodyne supplies analytical solutions for medical applications. We can control safety and quality of productions, according to the European Pharmacopeia norms.

O_2

- > O_2 % : PARAMAGNETIC (OPM5000)
- > CO ppm : INFRARED
- > CO_2 ppm : INFRARED
- > H_2O ppm : ELECTROLYTIC P_2O_5



FID500

N_2

- > N_2 % : TCD-GC (TCD500)
- > O_2 ppm : ELECTROCHEMICAL
- > CO ppm : INFRARED
- > CO_2 ppm : INFRARED
- > H_2O ppm : ELECTROLYTIC P_2O_5



TCD500

N_2O

- > N_2O % : INFRARED
- > CO ppm : FID-GC (FID500)
- > CO_2 ppm : TCD-GC (TCD500)
- > NO_x ppm : CHEMILUMINESCENCE
- > H_2O ppm : ELECTROLYTIC P_2O_5



OPM5000

CO_2

- > CO_2 % : INFRARED
- > CO ppm : FID-GC (FID500)
- > NO_x ppm : CHEMILUMINESCENCE
- > Tot. Sulfur ppm : FLUORESCENCE UV.
- > H_2O ppm : ELECTROLYTIC P_2O_5

Air

- > O_2 % : PARAMAGNETIC (OPM5000)
- > CO ppm : INFRARED
- > CO_2 ppm : INFRARED

- > SO_2 ppm : FLUORESCENCE UV.
- > NO_x ppm : CHEMILUMINESCENCE
- > H_2O ppm : ELECTROLYTIC P_2O_5

On demand, we can also provide a complete solution for the measurement of Argon and Helium for medical applications.

Complete solution

> *Combination of Orthodyne and trusted partners analysers*



*N_2O medical application :
Air Liquide Algeria (2009)*

Other

- Oxair (MA) : Multigas medical (O_2 , N_2 , N_2O , CO_2 , Air)
- Messer (PL) : O_2 (5x) and N_2O medical
- Linde Salaise (FR) : CO_2 medical
- AL Schelle (BE) : Multigas medical (O_2 , N_2 , N_2O , CO_2)
- Air Products Decin (CZ) : O_2 medical

references