

GAOS SENSON applications

Application area	Specialization	Purpose	Measured gases	Device type	Model
Oil and gas industry (about 60% of gas analyzers market)	Drilling sites	Continuous monitoring of pre-explosive concentrations of flammable gases CH, as well as the MPC of associated toxic gases, such as H ₂ S, O ₂ , etc.	CH, CH ₄ , H ₂ S, O ₂	Stationary	GAOS SENSON-SD-7031 and 7033 with or without controller GAOS SENSON-K-xM
					GAOS SENSON-SV-5021 and 5023
		Control of pre-explosive concentrations of flammable gases CH, as well as the MPC of associated toxic gases, such as H ₂ S, O ₂ , etc. when working in the work area by maintenance personnel		Portable	GAOS SENSON-V-1001, GAOS SENSON-2V-1003, GAOS SENSON -M
	Oil and gas pipelines	Control of pre-explosive concentrations of combustible gas CH, as well as the MPC of associated toxic gases, such as H ₂ S, O ₂ , CH ₃ OH	CH, CH ₄ , H ₂ S, O ₂	Portable	GAOS SENSON-V-1001, GAOS SENSON-2V-1003, GAOS SENSON-M
		Technological control in the pipeline	CH, CH ₄ , H ₂ S, O ₂ , CH ₃ OH	Stationary	GAOS SENSON-SD-7033-01
			O ₂ , CH ₃ OH	Portable	GAOS SENSON-V-1002
	Oil Refineries	Control of pre-explosive concentrations of flammable gases CH, as well as the MPC of associated toxic gases, such as H ₂ S, O ₂ , etc.	CH, CH ₄ , H ₂ , H ₂ S, O ₂ , CO, CO ₂	Stationary	GAOS SENSON-SD-7031 and 7033 with or without controller GAOS SENSON-K-xM
			CH, CH ₄ , H ₂ , H ₂ S, O ₂ , CO, CO ₂ , NO, NO ₂	Stationary	GAOS SENSON-SV-5021 and 5023
			CH, CH ₄ , H ₂ , H ₂ S, O ₂ , CO, CO ₂	Portable	GAOS SENSON-V-1001, GAOS SENSON 2V-1003, GAOS SENSON-M
		Technological control	CH, H ₂ , O ₂	Stationary	GAOS SENSON-SD-7034
			CH, O ₂	Portable	GAOS SENSON-V-1002
	Gas service regional companies	Control of CH ₄ and CO	CH ₄ , CO	Stationary	GAOS SENSON-SD-7031, 7032 and 7033 with or without controller GAOS SENSON-K-xM
					GAOS SENSON-SV-5021, 5022 and 5023
	Other objects (gas stations, oil storages)	Control of pre-explosive concentrations of flammable gases CH	CH, CH ₄	Stationary	GAOS SENSON-SD-7031, 7032 and 7033 with or without controller GAOS SENSON-K-xM
					GAOS SENSON-SV-5021, 5022 and 5023

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Housing and communal services	Wastewater pumping station	Continuous monitoring of pre-explosive concentrations of CH ₄ and MPC of toxic gases	CH ₄ , H ₂ S, O ₂ , CO, CO ₂ , Cl ₂	Stationary	GAOS SENSON-SD-7032 and 7033 with or without controller GAOS SENSON-K-xM
	Collectors, wells, reservoirs	Inspection during work in wells	CH ₄ , H ₂ S, O ₂ , CO, CO ₂ , NH ₃ , Cl ₂	Portable	GAOS SENSON-M and floating probe
	Boiler houses	Control of CH ₄ and CO	CH ₄ , CO	Stationary	GAOS SENSON-SD-7032 and 7033 with or without controller GAOS SENSON-K-xM
		Exhaust gas control	CH ₄ , CO, O ₂ , NO ₂ , NO, SO ₂	Stationary	GAOS SENSON-SV-5022 and 5023
Emergency rescue services	Collectors, wells, objects with air pollution	Ensuring safety during rescue operations	All gases	Portable	GAOS SENSON-M with or without probes
Power industry	TPP, NPP, HPP, CPP	Control of pre-explosive concentrations of flammable gases of H ₂ , O ₂ level in the working area	H ₂ , O ₂	Stationary	GAOS SENSON-SD-7031, 7032 and 7033 with or without controller GAOS SENSON-K-xM
	Electrolysis areas	Control of H ₂ and O ₂ in process gas lines	H ₂ , O ₂	Stationary	GAOS SENSON-SD-7033-01
Metallurgy	Metallurgical plants	Control of pre-explosive concentrations in the working area of CH and H ₂ , MPC of toxic gases and the level of O ₂	H ₂ , CH, CO, O ₂ , NO ₂ , NO, SO ₂	Stationary	GAOS SENSON-SD-7031, 7032 and 7033 with or without controller GAOS SENSON-K-xM GAOS SENSON-SV-5021 and 5023
				Portable	GAOS SENSON-V-1001, GAOS SENSON-2V-1003, GAOS SENSON-M
		Stationary		GAOS SENSON-SD-7033-01	
Transport	Parking, underground garages	Control of CO	CO	Stationary	GAOS SENSON-SV-5024
	Motor transport, including special (gas composition in the cab)	Control of CO	CO	Stationary	GAOS SENSON-SV-5024
		Assessment of workplaces	NO, NO ₂ , CO, O ₂ , CH	Portable	GAOS SENSON-M with or without probes
Mining industry	Mines	Pre-explosive concentrations of CH ₄ , MPC of toxic gases and control of O ₂ level	NO, NO ₂ , CO, O ₂ , CH, SO ₂ , CO ₂	Stationary	GAOS SENSON-SD-7031, 7032 and 7033 with or without controller GAOS SENSON-K-xM
			CH ₄	Portable	GAOS SENSON-V-1001

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Geology	Gas-geochemical search for oil fields	Hydrocarbons	CH	Portable	GAOS SENSON-M-3001 and 3004
Sea transport	Ships and moorings	Hydrocarbons, oxygen, oxides of nitrogen, CO	CH, O ₂ , NO, NO ₂ , CO, CO ₂	Portable for holds and stationary for premises	GAOS SENSON-M-3001 and 3003
Heavy and light industry	Any production working with chemicals and fuels and lubricants (gasoline, varnishes, paints, adhesives, etc.), as well as their storage. As well as a complete set of gas analytical equipment of industrial complexes	Control of pre-explosive concentrations of flammable gases, control of MPC of toxic gases	All gases	Stationary	GAOS SENSON-SD-7031, 7032 and 7033 with or without controller GAOS SENSON-K-xM GAOS SENSON-SV-5021 and 5023
				Portable	GAOS SENSON-V-1001, GAOS SENSON-2V-1003, GAOS SENSON-M
Medical industry	Oxygen cylinder storage rooms	Control of O ₂	O ₂	Stationary	GAOS SENSON-SV-5022
Agricultural industry	Processing of raw materials, control of early ignition of grain, livestock	Control of toxic gases in barns, poultry houses, granaries, etc.	NH ₃ , CO ₂ , O ₂ , CH ₄ , Cl ₂	Stationary	GAOS SENSON-SD-7031, 7032 and 7033 with or without controller GAOS SENSON-K-xM GAOS SENSON-SV-5021 and 5023
				Portable	GAOS SENSON-V-1001, GAOS SENSON-2V-1003, GAOS SENSON-M
Food production	Food, Beverage, Alcohol	Control of pre-explosive concentrations of flammable gases and MPC of toxic gases during production	H ₂ , CH, CO ₂ , CO, O ₂ , Cl ₂ , HCl, NH ₃	Stationary	GAOS SENSON-SD-7031, 7032 and 7033 with or without controller GAOS SENSON-K-xM GAOS SENSON-SV-5021 and 5023
			C ₂ H ₅ OH	Portable	GAOS SENSON-V-1001, GAOS SENSON-2V-1003, GAOS SENSON-M
Ecology	Main low pollutants	Assessment of workplaces	All gases	Portable	GAOS SENSON-M-3002

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Engineering companies	Design and engineering of production facilities and urban infrastructure	Inclusion of gas control systems for measuring flammable and toxic substances into project documentation	All gases	Stationary	All stationary



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