

▶ CTX300

Toxic gas, solvents, freons & CO2 detector



Technical specifications

Function: detector with analog 4-20 mA output

Power supply: 15 to 32 V DC

Display: backlit LCD display (optional)

Maximum consumption: 60mA for versions without display, 110 mA for versions with display or semiconductor

Operating temperature: -40°C to +50°C

Housing: polycarbonate housing

Connection: cable entry: PG9 cable gland (6 and 11mm)

- Version without display: a shielded 9/10 pair
- 3-wire shielded cable for other versions

Detected gases

Gas	Mesure range	Cell	Without display	With display
Ammonia	0-100 ppm NH ₃	EC	WC30NH3	WC3ANH3
Ammonia	0-1000 ppm NH ₃	EC	WC30NH1	WC3ANH1
Ammonia	0-5000 ppm NH ₃	EC	WC30NH2	WC3ANH2
Arsine	0-1 ppm ASH ₃	EC	CTX300-243	-
Butanone (MEC)	0-500 ppm C ₄ H ₈ O	SC	CTX300-659	-
Carbon dioxide	0-5000 ppm CO ₂	IR	WC30CO2A	WC3ACO2A
Carbon dioxide	0-5,0 %/vol. CO ₂	IR	WC30CO2B	WC3ACO2B
Carbon dioxide	0-100 %/vol. CO ₂	IR	WC30CO2C	WC3ACO2C
Carbon monoxide	0-100 ppm CO	EC	WC30COA	WC3ACOA
Carbon monoxide	0-1000 ppm CO	EC	WC30COC	WC3ACOC
Carbon monoxide	0-1 ppm CO	EC	WC30COD	WC3ACOD
Chlorine	0-10 ppm Cl ₂	EC	WC30CL2	WC3ACL2
Chlorine dioxide	0-3 ppm ClO ₂	EC	WC30CLO	WC3ACLO
Ethanol	0-500 ppm C ₂ H ₆ O	SC	CTX300-656	-
Ethanol	0-5000 ppm C ₂ H ₆ O	SC	CTX300-654	-
Ethenol (vinyl alcohol)	0-100 ppm C ₂ H ₄ O	EC	WC30-248	-
Ethylene oxide	0-30 ppm ETO	EC	WC30OET	WC3AOET

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Product description

The **CTX300** gas detector, with 4-20 mA analog linear output for the detection of toxic, refrigerant (freons) or asphyxiating gases (CO₂, Helium or lack of oxygen) is mainly dedicated to tertiary or industrial applications in safe, unclassified ATEX areas.

▶ Interchangeable pre-calibrated sensors

The **CTX300** measuring sensor is interchangeable and calibrated by the factory. It requires no special provision, configuration nor calibration when it is replaced.

▶ A wide range of sensors

- Electrochemical sensors for toxic gases and oxygen
- Semiconductor sensor for freons or solvents
- Infrared sensors for CO₂ detection
- Built-in sensor for better protection

▶ An outstanding robustness

- Polycarbonate casing loaded with stainless steel fibers and stainless steel screws
- Insensitivity to corrosive agents (H₂S, HCl, spray, ...)
- High mechanical resistance

▶ Many available options

- Backlit display
- Removable filters, interchangeable without opening the housing (which is dust-proof, condensation-proof and water resistant)
- Splash guard
- Gas collector cone

Gas	Mesure range	Cell	Without display	With display
Fluorine	0-1 ppm F2	EC	WC30F2A	WC3AF2A
Formaldehyde	0-50 ppm CH2O	EC	CTX300-247	-
FX56	0-2000 ppm FX56	SC	CTX300-510	-
HFO-1234yf	0-1000 ppm HFO-1234yf	SC	CTX300-662	-
HFO-1234ze	0-1000 ppm HFO-1234ze	SC	CTX300-525	-
Hydrogen	0-2000 ppm H2	EC	WC30H2A	WC3AH2S
Hydrogen chloride	0-30 ppm HCl	EC	WC30HLA	WC3AHLA
Hydrogen cyanide	0-10 ppm HCN	EC	WC30HNA	WC3AHNA
Hydrogen cyanide	0-30 ppm HCN	EC	WC30HNB	WC3AHNB
Hydrogen fluoride	0-10 ppm HF	EC	WC30HFA	WC3AHFA
Hydrogen sulfide	0-30 ppm H2S	EC	WC30HSA	WC3AHSa
Hydrogen sulfide	0-100 ppm H2S	EC	WC30HSB	WC3AHSB
Hydrogen sulfide	0-1000 ppm H2S	EC	WC30HSC	WC3AHSC
Isopropanol	0-500 ppm C3H8O	SC	CTX300-658	-
Methyle chloride	0-500 ppm CH3Cl	SC	CTX300-508	-
Methyle chloride	0-500 ppm CH2Cl2	SC	CTX300-507	-
Nitric oxide	0-100 ppm NO	EC	WC30NOA	WC3ANOA
Nitric oxide	0-1000 ppm NO	EC	WC30NOC	WC3ANOC
Nitric acid	0-10 ppm HNO3	EC	CTX300-262	-
Nitrogen dioxide	0-30 ppm NO2	EC	WC30N2B	WC3AN2B
Nitrogen dioxide	0-100 ppm NO2	EC	WC30N3B	WC3AN3B
Oxygen	0-100 %/vol. O2	EC	WC30O2S	WC3AO2S
Oxygen (helium leak)	0-30 %/vol. O2	EC	B301312	B301072
Oxygen (lifespan 2 years)	0-30 %/vol. O2	EC	WC30O2F	WC3AO2F
Oxygen (lifespan 5 years)	0-30 %/vol. O2	EC	WC30O2G	WC3AO2G
Ozone	0-1 ppm O3	EC	WC30O3A	WC3AO3A
Phosgene	0-3 ppm COCl2	EC	WC30CCL	WC3ACCL
Phosphine	0-1 ppm PH3	EC	WC30PH3	WC3APH3
Phosphine	0-1000 ppm PH3	EC	6513584	-
R11	0-1 %/vol. R11	SC	CTX300-505	-
R12	0-1 %/vol. R12	SC	CTX300-500	-
R123	0-2000 ppm R123	SC	CTX300-509	-
R134A	0-2000 ppm R134A	SC	CTX300-502	-
R143A	0-2000 ppm R143A	SC	CTX300-511	-
R22	0-2000 ppm R22	SC	CTX300-501	-
R23	0-1 %/vol. R23	SC	CTX300-506	-
R245FA	0-1000 ppm R245FA	SC	CTX300-521	-
R32	0-1000 ppm R32	SC	CTX300-515	-
R404A	0-2000 ppm R404A	SC	CTX300-512	-
R407C	0-1000 ppm R407C	SC	CTX300-517	-
R407F	0-1000 ppm R407F	SC	CTX300-519	-
R408A	0-4000 ppm R408A	SC	CTX300-518	-
R410A	0-1000 ppm R410A	SC	CTX300-514	-
R422D	0-4000 ppm R422D	SC	CTX300-524	-
R434A (RS45)	0-4000 ppm R434A	SC	CTX300-520	-
R507	0-2000 ppm R507	SC	CTX300-513	-
Silane	0-50 ppm SiH4	EC	WC30SIA	Wc3ASIA
Styrene	0-500 ppm C8H8	SC	CTX300-661	-
Sulphur dioxide	0-30 ppm SO2	EC	WC30SOB	WC3ASOB
Sulphur dioxide	0-100 ppm SO2	EC	WC30SOC	WC3ASOC
Toluene	0-500 ppm C7H8	SC	CTX300-657	-
Toluene	0-2000 ppm C7H8	SC	CTX300-652	-
Trichlorethylene	0-500 ppm C2HCl3	SC	CTX300-655	-
Xylene	0-500 ppm C8H10	SC	CTX300-660	-
Xylene	0-2000 ppm C8H10	SC	CTX300-653	-

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