

XTC601 Binary Gas Analyser

Base Model & Area Class			
XTC601-GP1 Process Binary Gas analyzer utilising thermal conductivity technology with a sealed reference sensor. Standard features include: HMI (backlit LCD & 4 buttons), IP66 rated wall mounted enclosure, 316 stainless steel sample path, 2 x 4-20mA outputs, MODBUS RTU (RS485), 2 x concentration alarms, 3 x M20 cable entries and 24Vdc powered. General Purpose Analyzer (1/4" NPT(F) gas connections)	XTC601-GP1		
XTC601-GP2 Process Binary Gas analyzer utilising thermal conductivity technology with a sealed reference sensor. Standard features include: HMI (backlit LCD & 4 buttons), IP66 rated wall mounted enclosure, 316 stainless steel sample path, 2 x 4-20mA outputs, MODBUS RTU (RS485), 2 x concentration alarms, 3 x M20 cable entries and 24Vdc powered. General Purpose Analyzer with flame arrestors (1/8" NPT(F) gas connections)	XTC601-GP2		
XTC601-EX1 Process Binary Gas analyzer utilising thermal conductivity technology with a sealed reference sensor. Standard features include: HMI (backlit LCD & 4 buttons), IP66 rated wall mounted enclosure, 316 stainless steel sample path, 2 x 4-20mA outputs, MODBUS RTU (RS485), 2 x concentration alarms, 3 x M20 cable entries and 24Vdc powered. Explosion-proof Analyzer for use in hazardous areas with flame arrestors (1/8" NPT(F) gas connections)	XTC601-EX1		
Cell O-Ring Material		A	
Viton		A	
Ekraz Sensor Cell O-ring		B	
Target Gas - Verify selection using Sensor Matrix		A	
Hydrogen (H2) (Analyser must be Explosion Proof or equipped with Flame Arrestors)		A	
Helium (He)		B	
Methane (CH4) (Analyser must be Explosion Proof or equipped with Flame Arrestors)		C	
Argon (Ar)		D	
Carbondioxide (CO2)		E	
Nitrogen		F	
Background Gas - verify selection using Sensor Matrix		A	
Nitrogen (N2)		A	
Oxygen (O2) (CFOS Cleaning must be selected)		B	
Air		C	
Argon (Ar)		D	
Carbondioxide (CO2)		E	
Methane (CH4) (Analyser must be Explosion Proof or equipped with Flame Arrestors)		F	
Non-methanane hydrocarbons (NMHC) (Analyser must be Explosion Proof or equipped with Flame Arrestors)		G	
Carbon Monoxide (CO) (calibrated with N2) (Analyser must be Explosion Proof or equipped with Flame Arrestors)		H	
Range - verify selection using Sensor Matrix		A	
Range 0 to 1% (H2 & He Target Gas only)		A	
Range 0 to 2% (H2 & He Target Gas only)		B	
Range 0 to 5%		C	
Range 0 to 10%		D	
Range 0 to 20%		E	
Range 0 to 30%		F	
Range 0 to 50%		G	
Range 0 to 100%		H	
Range 50 to 100%		J	
Range 70 to 100%		K	
Range 80 to 100%		L	
Range 90 to 100%		M	
Range 95 to 100% (H2 & He Target Gas only)		N	
Cell temperature		A	
50°C		A	
60°C		C	
SIL		A	
Standard product		A	
Meets the requirements of IEC61508 (SIL 2 Capable)		B	
Build Options		A	
Standard Product		A	
Optional Cleaning for Oxygen Service (CFOS); standard for O2 applications		B	
Ordering Example			

XTC601-EX1-BABCCBB	<p>XTC601-EX1 Process Binary Gas analyzer utilising thermal conductivity technology with a sealed reference sensor.</p> <p>Standard features include: HMI (backlit LCD & 4 buttons), IP66 rated wall mounted enclosure, 316 stainless steel sample path, 2 x 4-20mA outputs, MODBUS RTU (RS485), 2 x concentration alarms, 3 x M20 cable entries 24Vdc powered.</p> <p>Explosion-proof Analyzer for use in hazardous areas with flame arrestors (1/8" NPT(F) gas connections)</p> <p>Cell O-Ring Material: Ekraz Target Gas: Hydrogen Background Gas: Oxygen Range: 0 - 5% Cell Temperature: 60°C SIL: Meets the requirements of IEC61508 (SIL 2 Capable) Supplied Clean for Oxygen Service</p>
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[SEE GAS MATRIX HERE](#)

XTC601 Additional Options	
Calibration	
XTP-ATP	Additional Test Point - Contact O2 Support Group for Pricing
* XT-Recal	Factory Recalibration - advise points at time of order
Warranty	
* XTC601-EW24	Extended warranty 24 months from invoice date
* XTC601-EW36	Extended warranty 36 months from invoice date
Documentation	
* EXPORT-DOCS	Certificate of Origin from the Chamber of Commerce
* DOC-CERT-CC	Certificate of Conformity
* XTC601-M1	Material certificate to BS EN 10204 - type 3.1
XTC601 Spares and Accessories	
GBU Accessories	
XTC601-BLANKPLUG	Blanking Plug
XTC601-M20CONDUIT	M20 Conduit Entry 3/4" NPT (Nickel Plated Brass)
XTC601-M20COMPRESS	M20 Cable Gland (Nickel Plated Brass 20S - Compression) (GP1 only)
XTC601-M20BARRIER	M20 Cable Gland (Nickel Plated Brass 20S - Barrier)
XTP601-14198	GUB Lid o-ring
Gas fitting adaptors - for GP1 (1/4" NPTF)	
XTC601-1/4"	1/4" NPT to 1/4" Swagelok Tube Adaptor
XTC601-6MM	1/4" NPT to 6mm Swagelok Tube Adaptor
XTC601-1/4"-SC11	1/4" NPT to 1/4" Swagelok Tube Adaptor, Oxygen cleaned
XTC601-6MM-SC11	1/4" NPT to 6mm Swagelok Tube Adaptor, Oxygen cleaned
GEN-20114C	1/4" NPT to 1/8" Swagelok Tube Adaptor
Gas fitting adaptors - for GP2 & EX1 (1/8" NPTF)	
GEN-2PK-FIT-A	1/8" NPT to 1/8" Swagelok Tube Adaptor
GEN-2PK-FIT-B	1/8" NPT to 1/4" Swagelok Tube Adaptor

XTC601-HCG Binary Gas Analyser

Base Model & Area Class			
XTC601-EX1		XTC601-EX1	
Process Binary Gas analyzer utilising thermal conductivity technology with a sealed reference sensor. Standard features include: HMI (backlit LCD & 4 buttons), IP66 rated wall mounted enclosure, 316 stainless steel sample path, 2 x 4-20mA outputs, MODBUS RTU (RS485), 2 x concentration alarms, 3 x M20 cable entries and 24Vdc powered.			
Explosion-proof Analyzer for use in hazardous areas with flame arrestors (1/8" NPT(F) gas connections)			
Cell O-Ring Material			
Viton		A	
Target Gas - Verify selection using Sensor Matrix			
H2/Air+H2/CO2+CO2/Air		X	
Background Gas - verify selection using Sensor Matrix			
HCG only		X	
Range - verify selection using Sensor Matrix			
Range 70 to 100%		K	
Range 80 to 100%		L	
Range 90 to 100%		M	
Cell temperature			
60°C		C	
SIL			
Standard product		A	
Build Options			
Standard product			A
Ordering Example			
XTC601-EX1-AXXCAA		XTC601-EX1 Process Binary Gas analyzer utilising thermal conductivity technology with a sealed reference sensor. Standard features include: HMI (backlit LCD & 4 buttons), IP66 rated wall mounted enclosure, 316 stainless steel sample path, 2 x 4-20mA outputs, MODBUS RTU (RS485), 2 x concentration alarms, 3 x M20 cable entries 24Vdc powered. Explosion-proof Analyzer for use in hazardous areas with flame arrestors (1/8" NPT(F) gas connections) Cell O-Ring Material: Viton Target Gas: H2/Air+H2/CO2+CO2/Air Background Gas: HCG only Range: 70 to 100% Cell Temperature: 60°C	
XTC601-HCG Additional Options			
Calibration			
* XT-Recal		Factory Recalibration - advise points at time of order	
Warranty			
* XTC601-EW24		Extended warranty 24 months from invoice date	
* XTC601-EW36		Extended warranty 36 months from invoice date	
Documentation			
* EXPORT-DOCS		Certificate of Origin from the Chamber of Commerce	
* DOC-CERT-CC		Certificate of Conformity	
* XTC601-M1		Material certificate to BS EN 10204 – type 3.1	
XTC601-HCG Spares and Accessories			
GBU Accessories			
XTC601-BLANKPLUG		Blanking Plug	
XTC601-M20CONDUIT		M20 Conduit Entry 3/4" NPT (Nickel Plated Brass)	
XTC601-M20COMPRESS		M20 Cable Gland (Nickel Plated Brass 20S - Compression) (GP1 only)	
XTC601-M20BARRIER		M20 Cable Gland (Nickel Plated Brass 20S - Barrier)	
XTP601-14198		GUB Lid o-ring	
Gas fitting adaptors (1/8" NPTF)			
GEN-2PK-FIT-A		1/8" NPT to 1/8" Swagelok Tube Adaptor	
GEN-2PK-FIT-B		1/8" NPT to 1/4" Swagelok Tube Adaptor	

XTC Spare Sensors

Base Model		
Spare sensor and main pcb for XTC series Sensor 2012-Present	XTC001	
Cell O-Ring Material		
Viton	A	
Ekraz Sensor Cell O-ring	B	
Target Gas - Verify selection using Sensor Matrix		
Hydrogen (H2) (Analyser must be Explosion Proof or equipped with Flame Arrestors)		A
Helium (He)		B
Methane (CH4) (Analyser must be Explosion Proof or equipped with Flame Arrestors)		C
Argon (Ar)		D
Carbondioxide (CO2)		E
Nitrogen		F
Special Target Gas		Z
** H2/Air+H2/CO2+CO2/Air (Select Range 70 - 100%, 80 - 100%, 90 - 100%)		X
Background Gas - verify selection using Sensor Matrix		
Nitrogen (N2)		A
Oxygen (O2) (CFOS Cleaning must be selected)		B
Air		C
Argon (Ar)		D
Carbondioxide (CO2)		E
Methane (CH4) (Analyser must be Explosion Proof or equipped with Flame Arrestors)		F
Non-methane hydrocarbons (NMHC) (Analyser must be Explosion Proof or equipped with Flame Arrestors)		G
Carbon Monoxide (CO) (calibrated with N2) (Analyser must be Explosion Proof or equipped with Flame Arrestors)		H
HCG Only		X
Range - verify selection using Sensor Matrix		
Range 0 to 1% (H2 & He Target Gas only)		A
Range 0 to 2% (H2 & He Target Gas only)		B
Range 0 to 5%		C
Range 0 to 10%		D
Range 0 to 20%		E
Range 0 to 30%		F
Range 0 to 50%		G
Range 0 to 100%		H
Range 50 to 100%		J
Range 70 to 100%		K
Range 80 to 100%		L
Range 90 to 100%		M
Range 95 to 100% (H2 & He Target Gas only)		N
Cell temperature		
50°C		A
60°C		C
Build Options		
Standard Product		A
Optional Cleaning for Oxygen Service (CFOS); standard for O2 applications		B
Serial number of Analyzer required on order placement For other gas combinations and measurement ranges please contact O2 Support Group		

XTC001 Additional Options

Documentation	Material certificate to BS EN 10204 – type 3.1
* XTC001-M1 * On certain labor intensive services, no discount can be offered. These items are always offered at list price.	

			N	Range 95 to 100% (H2 & He Target Gas only)											Calibrated with N2
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Flammable Gas
Consult Applications Support
No Product Offer