

XTP601 Thermo-Paramagnetic Oxygen Analyzer

Base Model & Area Class

XTP601-GP1

Thermo-paramagnetic oxygen analyzer.
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 and 24Vdc powered.

General Purpose Analyzer (1/4" NPT(F) gas connections)

XTP601-GP1

XTP601-GP2

Thermo-paramagnetic oxygen analyzer.
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 and 24Vdc powered.

General Purpose Analyzer with flame arrestors (1/8" NPT(F) gas connections)

XTP601-GP2

XTP601-EX1

Thermo-paramagnetic oxygen analyzer.
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 and 24Vdc powered.

Explosion-proof Analyzer for use in hazardous areas with flame arrestors (1/8" NPT(F) gas connections)

XTP601-EX1

Cell O-Ring Material

Viton

A

Ekraz Sensor Cell O-ring

B

Range - verify selection using Sensor Matrix

Range 0 to 1% Oxygen

A

Range 0 to 2% Oxygen

B

Range 0 to 5% Oxygen

C

Range 0 to 10% Oxygen

D

Range 0 to 21% Oxygen

E

Range 0 to 25% Oxygen (calibrated 0 to 21%)

F

Range 0 to 50% Oxygen (CFOS Cleaning must be selected for ranges >25%)

G

Range 80 to 100% Oxygen (CFOS Cleaning must be selected for ranges >25%)

H

Range 90 to 100% Oxygen (CFOS Cleaning must be selected for ranges >25%)

J

Range 0 to 4% Oxygen

K

Range 0 to 0.5% Oxygen

L

Range 20 to 100% Oxygen (CFOS Cleaning must be selected for ranges >25%)

M

Range 0 to 1% Oxygen (Special Calibration for Air Ingress Application)

N

Range 0 to 2% Oxygen (Special Calibration for Air Ingress Application)

P

Range 0 to 5% Oxygen (Special Calibration for Air Ingress Application)

Q

Range 0 to 10% Oxygen (Special Calibration for Air Ingress Application)

R

Range 0 to 21% Oxygen (Special Calibration for Air Ingress Application)

T

Range 0 to 25% Oxygen (Special Calibration for Air Ingress Application)

U

Background Gas - verify selection using Sensor Matrix

Nitrogen (N2)

A

Carbon Dioxide (CO2)

B

Methane (CH4)

C

(Analyser must be Explosion Proof or equipped with Flame Arrestors)

Hydrogen (H2)

D

(Analyser must be Explosion Proof or equipped with Flame Arrestors)

BIOGAS (60%CH4/40%CO2 - unless otherwise stated)

E

(Analyser must be Explosion Proof or equipped with Flame Arrestors)

Natural Gas - C8 Mixture

F

(Analyser must be Explosion Proof or equipped with Flame Arrestors)

Argon (Ar)

G

Helium (He)

H

Cell temperature

50°C

A

60°C

C

SIL

Standard product

A

Meets the requirements of IEC61508 (SIL 2 Capable)

B

Build Options

Standard Product

A

Optional Cleaning for Oxygen Service (CFOS); standard for O2 applications with Calibration Ranges >25% O2

B

Ordering Example

XTP601-EX1-AFACBA	<p>XTP601-EX1 Thermo-paramagnetic oxygen analyzer.</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 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: Viton Background Gas: Nitrogen (N2) Range: 0 to 25% Oxygen (calibrated 0 to 21%) Cell Temperature: 60°C SIL: Meets the requirements of IEC61508 (SIL 2 Capable)</p>
--------------------------	---

[SEE GAS MATRIX HERE](#)

XTP601 Additional Options	
Calibration	
XTP-ATP	Additional Test Point
* 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
* XTP601-M1	Material certificate to BS EN 10204 – type 3.1
XTC601 Spares and Accessories	
GBU Accessories	
XTP601-BLANKPLUG	Blanking Plug
XTP601-M20CONDUIT	M20 Conduit Entry 3/4" NPT (Nickel Plated Brass)
XTP601-M20COMPRESS	M20 Cable Gland (Nickel Plated Brass 20S - Compression) (GP1 only)
XTP601-M20BARRIER	M20 Cable Gland (Nickel Plated Brass 20S - Barrier)
XTP601-14198	GUB Lid o-ring
Gas fitting adaptors - for GP1 (1/4" NPTF)	
XTP601-1/4"	1/4" NPT to 1/4" Swagelok Tube Adaptor
XTP601-6MM	1/4" NPT to 6mm Swagelok Tube Adaptor
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
GEN-2PK-FIT-C	1/8" NPT to 6mm Swagelok Tube Adaptor
Display	
XTP601-GP-HMI	Display assembly for GP model
XTP601-EX-HMI	Display assembly for EX model
Miscellaneous	
XTP601-26149	Fuse for main PCB
XTP601-TFUSE	Thermal Fuse (70°C)
XTC601-RC	Ribbon cable assembly
PTFE-TAPE-02	Unsintered PTFE tape for use with enriched oxygen samples
* On certain labor intensive services, no discount can be offered. These items are always offered at list price.	

XTP Spare Sensor

Base Model		
Spare sensor and main pcb for XTP series Sensor 2012-Present	XTP001	
Cell O-Ring Material		
Viton	A	
Ekraz Sensor Cell O-ring	B	
Range		
Range 0 to 1% Oxygen	A	
Range 0 to 2% Oxygen	B	
Range 0 to 5% Oxygen	C	
Range 0 to 10% Oxygen	D	
Range 0 to 21% Oxygen	E	
Range 0 to 25% Oxygen (calibrated 0 to 21%)	F	
Range 0 to 50% Oxygen (CFOS Cleaning must be selected for ranges >25%)	G	
Range 80 to 100% Oxygen (CFOS Cleaning must be selected for ranges >25%)	H	
Range 90 to 100% Oxygen (CFOS Cleaning must be selected for ranges >25%)	J	
Range 0 to 4% Oxygen	K	
Range 0 to 0.5% Oxygen	L	
Range 20 to 100% Oxygen (CFOS Cleaning must be selected for ranges >25%)	M	
Range 0 to 1% Oxygen (Special Calibration for Air Ingress Application)	N	
Range 0 to 2% Oxygen (Special Calibration for Air Ingress Application)	P	
Range 0 to 5% Oxygen (Special Calibration for Air Ingress Application)	Q	
Range 0 to 10% Oxygen (Special Calibration for Air Ingress Application)	R	
Range 0 to 21% Oxygen (Special Calibration for Air Ingress Application)	T	
Range 0 to 25% Oxygen (Special Calibration for Air Ingress Application)	U	
Background Gas - verify selection using Sensor Matrix		
Nitrogen (N2)	A	
Carbon Dioxide (CO2)	B	
Methane (CH4)	C	
(Analyser must be Explosion Proof or equipped with Flame Arrestors)	D	
Hydrogen (H2)	E	
(Analyser must be Explosion Proof or equipped with Flame Arrestors)	F	
BIOGAS (60%CH4/40%CO2 - unless otherwise stated)	G	
(Analyser must be Explosion Proof or equipped with Flame Arrestors)	H	
Natural Gas - C8 Mixture		
(Analyser must be Explosion Proof or equipped with Flame Arrestors)		
Argon (Ar)		
Helium (He)		
Cell temperature		
50°C	A	
55°C	B	
60°C	C	
Build Options		
Standard Product		A
Optional Cleaning for Oxygen Service (CFOS); standard for O2 applications with Calibration Ranges >25% O2		B

XTC001 Additional Options		
Documentation		
* XTP001-M1	Material certificate to BS EN 10204 – type 3.1	
* On certain labor intensive services, no discount can be offered. These items are always offered at list price.		

XTP601 Thermo-Paramagnetic Oxygen Analyzer

Target Gas		Measurement Range		Background Gas						
				A	B	C	D	E	F	G
Enclosure Suitability		GP1 GP2 EX1	GP1 GP2 EX1	GP2 EX1	GP2 EX1	GP2 EX1	GP2 EX1	GP2 EX1	GP1 GP2 EX1	GP1 GP2 EX1
Oxygen	L A B K C D E F G M H J N P Q R T U	Range 0 to 0.5% Oxygen								
		Range 0 to 1% Oxygen								
		Range 0 to 2% Oxygen								
		Range 0 to 4% Oxygen								
		Range 0 to 5% Oxygen				Calibration points up to 4.6%				
		Range 0 to 10% Oxygen								
		Range 0 to 21% Oxygen								
		Range 0 to 25% Oxygen (calibrated to 21%)								
		Range 0 to 50% Oxygen								
		Range 20 to 100% Oxygen								
		Range 80 to 100% Oxygen								
		Range 90 to 100% Oxygen								
		Range 0 to 1% Oxygen Calibrated as Air Ingress								
		Range 0 to 2% Oxygen Calibrated as Air Ingress								
		Range 0 to 5% Oxygen Calibrated as Air Ingress				Calibration points up to 4.0%				
		Range 0 to 10% Oxygen Calibrated as Air Ingress								
		Range 0 to 21% Oxygen Calibrated as Air Ingress						Calibration point in flammable region performed in N2		
		Range 0 to 25% Oxygen Calibrated as Air Ingress						Calibration point in flammable region performed in N2		

■ Flammable Gas
■ Consult Applications Support
■ No Product Offer

