

## XTP601

Thermo-Paramagnetic Oxygen Analyzer

Fixed Configurations	
<b>Nitrogen (N2) Applications</b>	
<b>XTP601-EX1-C1-N2</b>	SIL2 Capable Hazardous Area certified O2 in N2 analyzer: Range: 0...25% O2 with Viton O-ring, 60°C Cell and flame arrestors. Supplied with Material certificates Equivalent Code - XTP601+EX1+C1+D6+E1+F3+L1+M1
<b>XTP601-EX1-C2-N2</b>	SIL2 Capable Hazardous Area certified O2 in N2 analyzer: Range: 0...25% O2 with Silicone O-ring, 60°C Cell and flame arrestors. Supplied with Material certificates Equivalent Code - XTP601+EX1+C2+D6+E1+F3+L1+M1
<b>XTP601-EX1-C3-N2</b>	SIL2 Capable Hazardous Area certified O2 in N2 analyzer: Range: 0...25% O2 with Ekraz O-ring, 60°C Cell and flame arrestors. Supplied with Material certificates Equivalent Code - XTP601+EX1+C3+D6+E1+F3+L1+M1

### Configurable Product

Product Ordering Code {Feature A}+{Feature C}+...+{Feature F}+{Feature M}		
Feature	Item	Description
<b>Feature {A}</b>	<b>Base Model</b>	
	XTP601	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.
<b>Feature {B}</b>	<b>Case &amp; Area Class</b>	
	GP1	General Purpose Analyzer (1/4" NPT(F) gas connections)
	GP2	General Purpose Analyzer with flame arrestors (1/8" NPT(F) gas connections)
	EX1	Explosion-proof Analyzer for use in hazardous areas with flame arrestors (1/8" NPT(F) gas connections)
<b>Feature {C}</b>	<b>Cell O-Ring Material</b>	
	C1	Viton
	C1E	Viton (for enriched oxygen ranges ie O2 >21%)
	C2	Silicone - NOT for use with enriched O2 (ie O2 > 21%)
	C3	Ekraz Sensor Cell O-ring
	C3E	Ekraz (for enriched oxygen ranges ie O2 >21%)
<b>Feature {D}</b>	<b>Range - verify selection using Sensor Matrix</b>	
	D1	Range 0 to 1% Oxygen
	D2	Range 0 to 2% Oxygen
	D3	Range 0 to 5% Oxygen
	D4	Range 0 to 10% Oxygen
	D5	Range 0 to 21% Oxygen
	D6	Range 0 to 25% Oxygen (calibrated 0 to 21%)
	D7	Range 0 to 50% Oxygen
	D8	Range 80 to 100% Oxygen
	D9	Range 90 to 100% Oxygen
	D11	Range 0 to 4% Oxygen
	D12	Range 0 to 0.5% Oxygen
	D13	Range 20 to 100% Oxygen
	** D1A	Range 0 to 1% Oxygen
	** D2A	Range 0 to 2% Oxygen
	** D3A	Range 0 to 5% Oxygen
	** D4A	Range 0 to 10% Oxygen
	** D5A	Range 0 to 21% Oxygen
	** D6A	Range 0 to 25% Oxygen
<b>Feature {E}</b>	<b>Background Gas - verify selection using Sensor Matrix</b>	
	E1	Nitrogen (N2)
	E2	Carbon Dioxide (CO2)
	E3	Methane (CH4) (NOT GP1)
	E4	Hydrogen (H2) (NOT GP1)
	E5	BIOGAS (60%CH4/40%CO2) - unless otherwise stated (NOT GP1)
	E6	Natural Gas - C8 Mixture (NOT GP1)
	E7	Argon (Ar)
	E8	Helium (He)
	E9	Special Gas
<b>Feature {F}</b>	<b>Cell temperature</b>	
	F1	Cell temp 50°C
	F3	Cell temp 60°C
<b>Feature {L}</b>	<b>SIL</b>	
	L0	Standard product
	L1	Meets the requirements of IEC61508 (SIL 2 Capable)
<b>Feature {M}</b>	<b>Material Certification</b>	
	M0	No material certification
	* M1	Material certificate to BS EN 10204 - type 3.1
<b>Feature {X}</b>	<b>Build Options</b>	
	X3	CFOS - Cleaned for O2 service (standard with O2 ranges >25%)
	X9	Product Review Required
* On certain labor intensive services, no discount can be offered. These items are always offered at list price.		
** Analyzer calibrated as Air Ingress		
NOTE: For other gas combinations and measurement ranges please contact O2 Support Group		

**XTP601-GP2 / Ex Approved Range / Gas Combinations**

		Background Gas							
		E1	E2	E3	E4	E5	E6	E7	E8
		N2	CO2	CH4	H2	CH4/CO2	C8	Ar	He
Oxygen	D12	0 to 0.5%							
	D1	0 to 1%							
	D2	0 to 2%							
	D11	0 to 4%							
	D3	0 to 5%			Note 1				
	D4	0 to 10%							
	D5	0 to 21%							
	D6	0 to 25%							
	D7	0 to 50%							
	D13	20 to 100%							
	D8	80 to 100%							
	D9	90 to 100%							
	D1A	0 to 1%							
	D2A	0 to 2%							
	D3A	0 to 5%			Note 3				
	D4A	0 to 10%							
	D5A	0 to 21%					Note 2		
	D6A	0 to 25%					Note 2		

- Good
- NOT Allowed
- Flammable gas

**Note 1** Calibration points up to 4.6%

**Note 2** Calibration points in flammable region performed in N2

**Note 3** Calibration points up to 4.0%

Item Number	Description
<b>Calibration</b>	
XTP-ATP	Additional Test Point - Contact O2 Support Group for Pricing
* XT-Recal	Factory Recalibration - advise points at time of order
<b>Warranty</b>	
* XTP601-EW24	Extended warranty 24 months from invoice date
* XTP601-EW36	Extended warranty 36 months from invoice date
<b>Documentation</b>	
* EXPORT-DOCS	Certificate of Origin from the Chamber of Commerce
* GEN-DOC	Certificate of Conformity

**XTP601 Spares and Accessories**

<b>GUB accessories</b>	
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
<b>Gas fitting adaptors - for GP1 (1/4" NPTF)</b>	
XTP601-6MM	1/4" NPT to 6mm Swagelok Tube Adaptor
XTP601-1/4"	1/4" NPT to 1/4" Swagelok Tube Adaptor
GEN-20114C	1/4" NPT to 1/8" Swagelok Tube Adaptor
<b>Gas fitting adaptors - for GP2 &amp; EX1 (1/8" NPTF)</b>	
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
<b>Display</b>	
XTP601-GP-HMI	Display assembly for GP model
XTP601-EX-HMI	Display assembly for EX model
<b>Miscellaneous</b>	
XTP601-26149	Fuse for main PCB
XTP601-TFUSE	Thermal Fuse (70°C)
XTP601-RC	Ribbon cable assembly
PTFE-TAPE-02	Unsintered PTFE tape for use with enriched oxygen samples
<b>* On certain labor intensive services, no discount can be offered. These items are always offered at list price.</b>	

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