XTC501

Binary Gas Analyzer

Product Parent Code: XTC501		
Wall mounted Binary Gas Analyzer supplied as standard with: 316 SS sensor heated to 50°C, MODBUS RTU over RS485 Protocol, 2 concentration alarms, 2x 4-20mA outputs and 24V DC powered with a Viton o-ring, 1/8" Bulkhead Gas Fittings.		

Product Ordering Code {Feature A}-{Feature B}+{Feature C}+{Feature D}+{Feature E}		
Feature	**Item**	**Description**
Feature {A}	**Base Model**	
	XTC501	Base unit
Feature {B}	**Type**	
	GP1	General Purpose Analyzer with display
	GP2	General Purpose Transmitter
Feature {C}	**Range**	
	C1	Range 0 to 5%
	C2	Range 0 to 10%
	C3	Range 0 to 20%
	C4	Range 0 to 50%
	C5	Range 0 to 100%
	C6	Range 50 to 100%
	C7	Range 80 to 100%
	C8	Range 90 to 100%
Feature {D}	**Target Gas**	
	D1	Hydrogen
	D2	Helium
	D3	Carbon-dioxide
	D4	Argon
	D5	Nitrogen
Feature {E}	**Background Gas**	
	E1	Nitrogen
	E2	Air
	E3	Carbon-dioxide
	E4	Oxygen (unit will be CFOS).
	EXX	Special gas mixture**
Feature {F}	**Cables**	
	F0	Loose connectors
	F1	Power & Output (5m) and loose connector
	F2	Power, Output & Alarm (5m) and loose connector
	F3	Power, Output, Alarm and Input (5m)
*Flammable mixtures are not allowed		
**The XTC501 is available with the listed background gases and with minimum range of 0-5%. We may offer special backgrounds or lower ranges with reduced accuracy on application. Orders will not be accepted unless application has been tested and authorisation to quote granted.		

Ordering Example

XTC501-GP1+C5+D1+E1+F0	XTC501 with full display, Viton Cell O-Ring, 0 to 100% H2 in Nitrogen background gas

XTC601-GP

Binary Gas Analyzer

Product Parent Code: XTC601-GP		
Binary Gas Analyzer supplied as standard with: MODBUS RTU over RS485 Protocol, 2 concentration alarms, 2x 4-20mA outputs inputs and 24V DC powered.		
Product Ordering Code {Feature A}-{Feature B}+{Feature C}+...+{Feature M}+{Feature X (only if required)}		

Feature	Item	Description
Feature {A}	**Base Model**	
	XTC601-GP	Base unit
Feature {B}	**Case & Area Class**	
	B1	General Purpose Analyzer
Feature {C}	**Cell O-Ring Material**	
	C1	Viton
	C2	Silicone - Not for use with enriched O2 (ie > 21%)
	C3	Ekraz
Feature {D}	**Target Gas**	
	D1	Hydrogen (H2)*
	D2	Helium (He)
	D3	Methane (CH4)*
	D4	Argon (Ar)
	D5	Carbondioxide (CO2)
	DS	Special Target Gas*
Feature {E}	**Background Gas**	
	E1	Nitrogen (N2)
	E2	Oxygen (O2) - analyzer supplied CFOS*
	E3	Air*
	E4	Argon (Ar)
	E5	Carbondioxide (CO2)
	E6	Methane (CH4)
	E7	Non-methanane hydrocarbons (NMHC)
	ES	Special Background Gas*
Feature {F}	**Range**	
	F1	**Range 0 to 1% (H2 or He only)**
	F2	**Range 0 to 2% (H2 or He only)**
	F3	Range 0 to 5%
	F4	Range 0 to 10%
	F5	Range 0 to 20%
	F6	Range 0 to 30%
	F7	Range 0 to 50%
	F8	Range 0 to 100%
	F9	Range 50 to 100%
	F10	Range 70 to 100%
	F11	Range 80 to 100%
	F12	Range 90 to 100%
Feature {G}	**Cell temperature**	
	G1	50°C
	G3	60°C
Feature {L}	**SIL rated**	
	L0	Standard product
	L1	Meets the requirements of IEC61508 SIL 2
Feature {M}	**Material Certification**	
	M0	No material certification
	M1	Material certificate to BS EN 10204 – type 3.1
Feature {X}	**Special cleaning procedure**	
	X3	Cleaned for oxygen service (Not required with Option E2 (included as standard))
	X9	Product Review Required
*Flammable mixtures are not allowed		
**The XTC601 is generally only available with a minimum range of 0-5%, we may offer lower ranges with reduced accuracy on application. Orders will not be accepted unless application has been tested and authorisation to quote granted.		

Ordering Example

XTC601-GP+B1+C1+D2+E1+F1+G1+L0+M1	General Purpose+Viton O-ring+Helium target + Nitrogen background+0-1% range + 50°C sensor + standard product + material certs.

XTC601-GP ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description
PTFE-TAPE-02	Unsintered PTFE tape for use with enriched oxygen samples
XTC601-EW24	Extended warranty 24 months from invoice date
XTC601-EW36	Extended warranty 36 months from invoice date
XTC601-RC	Ribbon cable assembly
XTC601-GP-HMI	Display assembly for GP model
XTC601-BLANKPLUG	Blanking Plug
XTC601-M20COMPRESS	M20 Cable Gland (Nickel Plated Brass 20S - Compression) (GP only)
XTC601-M20CONDUIT	M20 Conduit Entry 3/4" NPT (Nickel Plated Brass)
XTC601-1/4"	1/4" tube adapter fitting
XTC601-6MM	6mm tube adapter fitting
XTP601-26149	Fuse for main PCB

XTC601-GP ACCESSORIES AND SPARE PARTS

PTFE-TAPE-02	Unsintered PTFE tape for use with enriched oxygen samples
XTC601-EW24	Extended warranty 24 months from invoice date

XTC601-GP2

Binary Gas Analyzer (with HMI)

Product Parent Code: XTC601-GP
Binary Gas Analyzer supplied as standard with: MODBUS RTU over RS485 Protocol, 2 concentration alarms, 2x 4-20mA outputs and 24V DC powered.

Product Ordering Code {Feature A}-{Feature B}+{Feature C}+...+{Feature M}+{Feature X (only if required)}		
Feature	**Item**	**Description**
Feature {A}	**Base Model**	
	XTC601-GP	Base unit
Feature {B}	**Case & Area Class**	
	B2	General Purpose Analyzer with Flame Arrestors
Feature {C}	**Cell O-Ring Material**	
	C1	Viton
	C2	Silicone - Not for use with enriched O2 (ie > 21%)
	C3	Ekraz
Feature {D}	**Target Gas**	
	D1	Hydrogen (H2)*
	D2	Helium (He)
	D3	Methane (CH4)*
	D4	Argon (Ar)
	D5	Carbondioxide (CO2)
	DS	Special Target Gas*
Feature {E}	**Background Gas**	
	E1	Nitrogen (N2)
	E2	Oxygen (O2) - analyzer supplied CFOS*
	E3	Air*
	E4	Argon (Ar)
	E5	Carbondioxide (CO2)
	E6	Methane (CH4)
	E7	Non-methanane hydrocarbons (NMHC)
	ES	Special Background Gas*
Feature {F}	**Range**	
	F1	**Range 0 to 1% (H2 or He only)**
	F2	**Range 0 to 2% (H2 or He only)**
	F3	Range 0 to 5%
	F4	Range 0 to 10%
	F5	Range 0 to 20%
	F6	Range 0 to 30%
	F7	Range 0 to 50%
	F8	Range 0 to 100%
	F9	Range 50 to 100%
	F10	Range 70 to 100%
	F11	Range 80 to 100%
	F12	Range 90 to 100%
Feature {G}	**Cell temperature**	
	G1	50°C
	G3	60°C
Feature {L}	**SIL rated**	
	L0	Standard product
	L1	Meets the requirements of IEC61508 SIL 2
Feature {M}	**Material Certification**	
	M0	No material certification
	M1	Material certificate to BS EN 10204 – type 3.1
Feature {X}	**Special cleaning procedure**	
	X3	Cleaned for oxygen service (Not required with Option E2 (included as standard))
	X9	Product Review Required
*For potentially flammable mixtures please consult the factory.		
**The XTC601 is generally only available with a minimum range of 0-5%, we may offer lower ranges with reduced accuracy on application. Orders will not be accepted unless application has been tested and authorisation to quote granted.		

Ordering Example

XTC601-GP+B2+C1+D1+E3+F3+G1+L1+M0	General purpurse with flame arrestors + Viton O-ring + H2 Target Gas in Air + 0 to 5% Range + 50°C cell + SIL2.

XTC601-GP2 ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description
PTFE-TAPE-02	Unsintered PTFE tape for use with enriched oxygen samples
XTC601-EW24	Extended warranty 24 months from invoice date
XTC601-EW36	Extended warranty 36 months from invoice date
XTC601-RC	Ribbon cable assembly
XTC601-BLANKPLUG	Blanking Plug
XTC601-GP-HMI	Display assembly for GP model
XTC601-M20COMPRESS	M20 Cable Gland (Nickel Plated Brass 20S - Compression) (GP only)
XTC601-M20CONDUIT	M20 Conduit Entry 3/4" NPT (Nickel Plated Brass)
XTC601-1/4"	1/4" tube adapter fitting
XTC601-6MM	6mm tube adapter fitting
XTP601-26149	Fuse for main PCB
XTC601-1/4"-SC11	1/4" tube adapter fitting (Oxygen cleaned)
XTC601-6MM-SC11	6mm Tube Adapter Fitting (Oxygen cleaned)

XTC601-EX

Binary Gas Analyzer

Product Parent Code: XTC601-EX		
Binary Gas Analyzer supplied as standard with: MODBUS RTU over RS485 Protocol, 2 concentration alarms, 2x 4-20mA outputs and 24V DC powered.		
Product Ordering Code {Feature A}-{Feature B}+{Feature C}+...+{Feature E}+{Feature M}+{Feature X (only if required)}		
Feature	**Item**	**Description**
Feature {A}	**Base Model**	
	XTC601-EX	Binary Gas Analyzer
Feature {B}	**Case & Area Class**	
	1	Hazardous Area Analyzer with display
Feature {C}	**Cell O-Ring Material**	
	C1	Viton
	C2	Silicone - Not for use with enriched O2 (ie > 21%)
	C3	Ekraz
Feature {D}	**Target Gas**	
	D1	Hydrogen (H2)*
	D2	Helium (He)
	D3	Methane (CH4)*
	D4	Argon (Ar)
	D5	Carbondioxide (CO2)
	DS	Special Target Gas*
Feature {E}	**Background Gas**	
	E1	Nitrogen (N2)
	E2	Oxygen (O2) - analyzer supplied CFOS*
	E3	Air*
	E4	Argon (Ar)
	E5	Carbondioxide (CO2)
	E6	Methane (CH4)
	E7	Non-methanane hydrocarbons (NMHC)
	ES	Special Background Gas*
Feature {F}	**Range**	
	F1	**Range 0 to 1% (H2 or He only)**
	F2	**Range 0 to 2% (H2 or He only)**
	F3	Range 0 to 5%
	F4	Range 0 to 10%
	F5	Range 0 to 20%
	F6	Range 0 to 30%
	F7	Range 0 to 50%
	F8	Range 0 to 100%
	F9	Range 50 to 100%
	F10	Range 70 to 100%
	F11	Range 80 to 100%
	F12	Range 90 to 100%
Feature {G}	**Cell temperature**	
	G1	50°C
	G3	60°C
Feature {L}	**SIL rated**	
	L0	Standard product
	L1	Meets the requirements of IEC61508 SIL 2
Feature {M}	**Material Certification**	
	M0	No material certification
	M1	Material certificate to BS EN 10204 – type 3.1
Feature {X}	**Special cleaning procedure**	
	X3	Cleaned for oxygen service (Not required with Option E2 (included as standard))
	X9	Product Review Required
*For potentially flammable mixtures please consult the factory.		
**The XTC601 is generally only available with a minimum range of 0-5%, we may offer lower ranges with reduced accuracy on application. Orders will not be accepted unless application has been tested and authorisation to quote granted.		

Ordering Example

XTC601-EX+ 1+C1+D1+E2+F3+G3 +L0+M1	Binary Gas Analyzer+ Hazardous Area+ Viton+ Hydrogen (H2)+ Oxygen (O2) - analyzer supplied CFOS+ Range 0 to 5%+60°C Cell+ Standard Product+ Material certificate to BS EN 10204 – type 3.1

XTC601-EX ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description
PTFE-TAPE-02	Unsintered PTFE tape for use with enriched oxygen samples
XTC601-EW24	Extended warranty 24 months from invoice date
XTC601-EW36	Extended warranty 36 months from invoice date
XTC601-RC	Ribbon cable assembly
XTC601-BLANKPLUG	Blanking Plug
XTC601-EX-HMI	Display assembly for EX model
XTC601-M20BARRIER	M20 Cable Gland (Nickel Plated Brass 20S - Barrier)
XTC601-M20CONDUIT	M20 Conduit Entry 3/4" NPT (Nickel Plated Brass)
XTC601-1/4"	1/4" tube adapter fitting
XTC601-6MM	6mm tube adapter fitting
XTP601-26149	Fuse for main PCB
XTC601-1/4"-SC11	1/4" tube adapter fitting (Oxygen cleaned)
XTC601-6MM-SC11	6mm Tube Adapter Fitting (Oxygen cleaned)

XTC601-EX ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description

XTC601-EX

Binary Gas Analyzer

Product Parent Code: XTC601-EX		
Binary Gas Analyzer supplied as standard with: MODBUS RTU over RS485 Protocol, 2 concentration alarms, 2x 4-20mA outputs, 2x 4-20mA inputs and 24V DC powered.		
Product Ordering Code {Feature A}-{Feature B}+{Feature C}+...+{Feature E}+{Feature M}+{Feature X (only if required)}		
Feature	**Item**	**Description**
Feature {A}	**Base Model**	
	XTC601-EX	Binary Gas Analyzer
Feature {B}	**Case & Area Class**	
	1	Hazardous Area Analyzer with display
Feature {C}	**Cell O-Ring Material**	
	C1	Viton
Feature {D}	**Gas**	
	D-HCG	H2/Air+H2/CO2+CO2/Air
Feature {E}	**Background Gas**	
	E0	HCG only
Feature {F}	**Range**	
	F10	Range 70 to 100%
	F11	Range 80 to 100%
	F12	Range 90 to 100%
Feature {G}	**Background Gas**	
	G1	50°C
	G3	60°C
Feature {M}	**Material Certification**	
	M0	No material certification
	M1	Material certificate to BS EN 10204 – type 3.1

Ordering Example

XTC601-EX+1+C1+ D-HCG+E0+F12+G3+L0+M0	Hazardous area with HCG calibration + Viton O-Ring+90 to 100% H2 in Air range + 60°C cell.

XTC601-EX ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description
PTFE-TAPE-02	Unsintered PTFE tape for use with enriched oxygen samples
XTC601-EW24	Extended warranty 24 months from invoice date
XTC601-EW36	Extended warranty 36 months from invoice date
XTC601-RC	Ribbon cable assembly
XTC601-BLANKPLUG	Blanking Plug
XTC601-EX-HMI	Display assembly for EX model
XTC601-M20BARRIER	M20 Cable Gland (Nickel Plated Brass 20S - Barrier)
XTC601-M20CONDUIT	M20 Conduit Entry 3/4" NPT (Nickel Plated Brass)
XTC601-1/4"	1/4" tube adapter fitting
XTC601-6MM	6mm tube adapter fitting
XTP601-26149	Fuse for main PCB

Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Issue No: XTC Series Order Codes_ 97440_V11_UK_0321