

XTC601
Binary Gas Analyzer

| Fixed Configurations | | |
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| Hydrogen (H2) Applications | | |
| XTC601-EX1-H202-5 | | SIL2 capable Hazardous Area certified H2 in O2 analyzer: Range: 0...5% with Ekraz O-ring, 60°C Cell and flame arrestors. Supplied with Material certificates and CFOS. Equivalent Code - XTC601+EX1+C3+D1+E2+F3+G3+L1+M1 |
| XTC601-EX1-H202-2 | | SIL2 capable Hazardous Area certified H2 in O2 analyzer: Range: 0...2% with Ekraz O-ring, 60°C Cell and flame arrestors. Supplied with Material certificates and CFOS. Equivalent Code - XTC601+EX1+C3+D1+E2+F2+G3+L1+M1 |
| Configurable Product | | |
| Product Ordering Code {Feature A}-{Feature B}+{Feature C}+...+{Feature M}+{Feature X (only if required)} | | |
| Feature | Item | Description |
| Feature {A} | Base Model | |
| | XTC601 | 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. |
| Feature {B} | Case & Area Class | |
| | 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) |
| Feature {C} | Cell O-Ring Material | |
| | C1 | Viton |
| | C2 | Silicone - NOT for use with enriched O2 (ie O2 > 21%) |
| | C3 | Ekraz Sensor Cell O-ring |
| Feature {D} | Target Gas - verify selection using Sensor Matrix | |
| | D1 | Hydrogen (H2) (NOT GP1) |
| | D2 | Helium (He) |
| | D3 | Methane (CH4) (NOT GP1) |
| | D4 | Argon (Ar) |
| | D5 | Carbondioxide (CO2) |
| | D6 | Nitrogen |
| | Ds | Special Target Gas |
| Feature {E} | Background Gas - verify selection using Sensor Matrix | |
| | E1 | Nitrogen (N2) |
| | E2 | Oxygen (O2) - analyzer supplied CFOS |
| | E3 | Air |
| | E4 | Argon (Ar) |
| | E5 | Carbondioxide (CO2) |
| | E6 | Methane (CH4) (NOT GP1) |
| | E7 | Non-methanane hydrocarbons (NMHC) (NOT GP1) |
| | Es | Special Background Gas |
| Feature {F} | Range - verify selection using Sensor Matrix | |
| | F1 | Range 0 to 1% (H2 & He Target Gas only) |
| | F2 | Range 0 to 2% (H2 & He Target Gas 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% |
| | F13 | Range 95 to 100% (H2 & He Target Gas only) |
| Feature {G} | Cell temperature | |
| | G1 | 50°C |
| | G3 | 60°C |
| Feature {L} | SIL | |
| | L0 | Standard product |
| | L1 | Meets the requirements of IEC61508 (SIL 2 Capable) |
| Feature {M} | Material Certification | |
| | M0 | No material certification |
| | * M1 | Material certificate to BS EN 10204 – type 3.1 |
| Feature {X} | Build Options | |
| | X3 | CFOS - Cleaned for O2 service (standard with O2 ranges >25% O2) |
| | X9 | Product Review Required |
| NOTE: For other gas combinations and measurement ranges please contact O2 Support Group | | |
| * On certain labor intensive services, no discount can be offered. These items are always offered at list price. | | |

Aufgrund laufender Weiterentwicklungen sind Änderungen der Spezifikationen vorbehalten. Alle Angaben vorbehaltlich Satz- und Druckfehler.

XTC601-GP2/EX Approved Range / Gas Combinations (Background Gas O2 or Air)

| Target Gas | O2 / Air Background Gas | | | | | | | | | | | | |
|------------|----------------------------|---------|---------|----------|----------|----------|------------------------|-----------|------------|------------|------------|------------|------------|
| | F1 | F2 | F3 | F4 | F5 | F6 | F7 | F8 | F9 | F10 | F11 | F12 | F13 |
| | 0 to 1% | 0 to 2% | 0 to 5% | 0 to 10% | 0 to 20% | 0 to 30% | 0 to 50% | 0 to 100% | 50 to 100% | 70 to 100% | 80 to 100% | 90 to 100% | 95 to 100% |
| D1 H2 | | | Note 1 | | | | | Note 2 | Note 2 | Note 2 | Note 2 | Note 2 | Note 3 |
| D2 He | | | | | | | | | | | | | |
| D3 CH4 | | | Note 4 | Note 2 | Note 2 | Note 2 | Note 2 | Note 2 | Note 2 | | | | |
| D4 Ar | | | | | | | | | | | | | |
| D5 CO2 | | | | | | | | | | | | | |
| D6 N2 | | | | | | | Use XTP601-EX O2 in N2 | | | | | | |

■ Good
■ NOT Allowed
■ Flammable gas

Note 1 Calibration points up to 3.8%
Note 2 Calibration points in flammable region performed in N2
Note 3 Calibration points above 95.4% O2
Note 4 Calibration points up to 4.2%

XTC601 Additional Options

| Item Number | Description |
|----------------------|--|
| 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 |
| * GEN-DOC | Certificate of Conformity |

XTC601 Spares and Accessories

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| GUB 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 |
| GEN-2PK-FIT-C | 1/8" NPT to 6mm Swagelok Tube Adaptor |
| Display | |
| XTC601-GP-HMI | Display assembly for GP model |
| XTC601-EX-HMI | Display assembly for EX model |
| Miscellaneous | |
| XTC601-RC | Ribbon cable assembly |
| PTFE-TAPE-02 | Unsintered PTFE tape for use with enriched oxygen samples |
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