# TracXP™
## Industrial Gas Solutions
### by Macurco

TracXP is the industrial products division of Macurco Gas Detection, who has been providing gas detection solutions for over 45 years. The TracXP line addresses special hazard applications including harsh industrial environments and hazardous locations with a comprehensive line of wired and wireless gas detection solutions.

# TXP-C20 & TXP-C40

## 2 and 4 Channel Alarm Control Panels

The TracXP C20 and TracXP C40 are versatile control panels that provide signal conditioning, display and alarm functions for up to four input channels. Both control panels come standard with two programmable relays. A large graphic LCD screen displays engineering units, 30-minute trends or bar-graphs. Status indicating Yellow and Red LED's provide highly visible real time alarm status and three adjustable alarm levels per channel. Versatile input options include 4-20 mA inputs or combinations of bridge (Catalytic Bead/IR) and toxic (Electrochemical) sensors. Output options include 4-20 mA, Modbus® RTU, dual Ethernet Modbus® TCP bridge, and additional relay outputs.

**TXP-C20**
**Poly Enclosure**

**TXP-C40**
**Poly Enclosure**

## Key Features

- NEMA 4X enclosure
- LCD readout displays engineering units, bar graphs or 30 minute trends
- LED's indicate alarm and fault status
- 2 programmable SPDT relays for warning, high alarm, horn and fault conditions
- RS-485 Modbus® serial port
- 6 programmable 5A relays (optional)
- "Cal Mode" offers pushbutton zero and span calibration for direct sensor input applications

## Applications

- Oil & Gas
  - Upstream
  - Mid-stream
  - Downstream
- Refining & chemical production
- Water / waste water treatment plants
- Food & beverage facilities
- Metal manufacturing
- Pulp & paper
- Power generation

# TXP-C20 & TXP-C40

## Specifications

### Controller Specifications

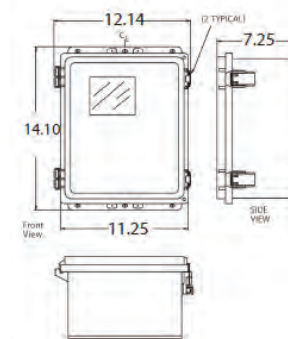| | |
|---|---|
| Enclosure Size | 14.1"(L) x 12.14"(W) x 7.75"(H) Poly Enclosure |
| Shipping Weight | 12 lbs. (5.4 k.) Poly Enclosure |
| Power Supply | 120 - 240 VAC / 10 - 30 VDC, 50 watt primary power supply (Standard) |
| Inputs | TXP-C20:<br>　Dual bridge (Catalytic Bead/IR)<br>　Dual toxic (Electrochemical)<br>　One bridge and one toxic<br>　Dual 4-20 mA input<br><br>TXP-C40:<br>　Quad bridge (Catalytic Bead/IR)<br>　Quad toxic (Electrochemical)<br>　Dual bridge and dual toxic<br>　Dual bridge and dual 4-20 mA<br>　Quad 4-20 mA |
| Relays | Two programmable 5A 30 VDC or 250 VAC resistive Form C Relays<br><br>Programmable 5A 30 VDC or 250 VAC resistive Form C Relays (Option) |
| Serial Port Option | TXP-C20:<br>　Modbus® RTU Slave RS-485 Port Tx / RX LED's<br><br>TXP-C40:<br>　Modbus® RTU Master/Slave RS-485 Port Tx / RX LED's<br>　Serial to dual Ethernet Modbus® TCP bridge, for C1D2 locations |
| Display | Graphic 128 x 64 pixel backlit LCD indicates engineering units, trends or bar-graphs.<br><br>Six LED's provide alarm status, cal mode and keypad activity |
| Temperature | -13°F to 140°F (-25°C to +60°C) |
| Approvals | CSA C22.2 No. 1010.1 and C22.2 NO 152 for combustible gases and ISAS82.02: UL1604 / C22.2 No 213 (NEMA 4X Enclosures: Div. 2, Groups A, B, C & D EN55011 and EN 61000) |

Represented By:

## TXP-C20 Parts & Accessories*

| Part Number | Description |
|---|---|
| 88-C020-0000-20 | Power Supply, 100-240 VAC / 10-30 VDC w/50W, C1, D2 |
| 90-8000-0000-07 | LCD / micro controller PCB & ribbon cable |
| 88-4000-0020-00 | Optional Alarm Relay Board (6, 5A Form C Relays) |
| 88-4000-0070-00 | Dual 4-20 mA output board |
| 88-5000-0080-00 | RS-232 / RS-485 RTU addressable interface |
| 88-4000-0300-00 | Dual channel 4-20 mA input board |
| 88-4000-0400-00 | Bridge sensor, 1 EC sensor input combo board |

## TXP-C40 Parts & Accessories*

| Part Number | Description |
|---|---|
| 88-C020-0000-20 | Power Supply, 100-240 VAC / 10-30 VDC w/50W, C1, D2 |
| 90-8000-0000-09 | Quad LCD / micro controller PCB & ribbon cable |
| 88-4000-0020-00 | Alarm relay board (6, 5A form C relays) |
| 88-5000-0060-00 | Single RS-485 serial Modbus® TCP bridge, non-hazardous locations |
| 88-5000-0070-00 | Quad channel 4-20 mA output board |
| 88-5000-0070-20 | Serial to dual Ethernet Modbus® TCP bridge, for C1D2 locations |
| 88-5000-0080-00 | RS-232 / RS-485 RTU addressable interface |
| 90-8000-5000-00 | Quad channel 4-20 mA input board |
| 90-8000-6000-00 | (2) Bridge Sensors and (2) 4-20 mA or (4) Bridge sensors input boards |

*For additional opitons please contact your TracXP representative

## Enclosure Dimensions

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