

# TracXP™

INDUSTRIAL GAS SOLUTIONS  
by MacURCO

TracXP is now a part of Macurco Gas Detection, a company that has been providing gas detection solutions for over 45 years. The TracXP line addresses special hazard applications with a comprehensive line of wired and wireless gas detection solutions to meet your most challenging applications.



## TXP-C64

### 64 Channel Alarm Controller



TXP-C64 NEMA-4X

The TracXP TXP-C64 controller provides alarm and display functions for up to 64 inputs simultaneously. Economical configuration and/or expansion of the system is accomplished with 16, 32, 48 or 64 channel display modes and 16 channel I/O modules allowing the TXP-C64 to accommodate changing applications within your facility. A brilliant status indicating color QVGA LCD display enables quick recognition of alarm conditions in engineering units, bar graphs and trends. Standard communications include Ethernet with Modbus TCP Master/Slave and web server for configuration and monitoring purposes. Two standard RS-485 serial ports allow simultaneous Modbus Master/Slave operation. The TXP-C64 provides up to three alarm levels per channel with a "Relay Acknowledge" feature to silence audible alarms during alarm conditions. Min, Max and Avg data can be logged and easily retrieved via an SD card. The TXP-C64 is user friendly and easily configurable for toxic and combustible critical alarm functions, as well as other 4-20 mA and/or Modbus® device inputs. (Flame, Pressure, Level, Flow, etc.)

### Key Features

- Vivid QVGA backlit color TFT display
- Ethernet port with web server standard
- 5 standard SPDT 5A alarm relays for horn & fault, plus 3 programmable alarm relays
- Magnetic key-pad allows non-intrusive operation
- Wireless modbus interface option
- Cal mode allows zero/span calibration for direct sensor input applications
- Easily expandable for changing needs
- Security functions to lock out unauthorized users
- NEMA 4X versions Certified for Class 1, Div. 2
- NEMA 7 explosion proof enclosure option

### Applications

- Oil & Gas
- Pipeline compression
- Refining & chemical production
- Water / waste water treatment plants
- Food & beverage facilities
- Metal manufacturing
- Pulp & paper
- Power generation
- General industry

## Specifications

### Controller Specifications

Display	Vivid color QVGA 320 x 240 pixel graphic LCD with backlight displays bar graphs, trends and engineering units. Five discrete LEDs indicate alarm status for five standard alarm relays
Power Supply	10-30 VDC (24 VDC Nominal) 12 Watts required by TXP-C64; 150W and 600W Power Supply options
Serial Port (Standard)	Modbus Master and Slave RS-485 ports with Transmit (Tx) and Receive (Rx) LED indication
Ethernet Port (Standard)	Modbus TCP Master/Slave port with web server
Analog Inputs (Optional)	12 bit 4-20 mA into 100 Ohms input impedance; includes +power supply terminals to route power to 2 to 3-wire transmitters.
Analog Outputs (Optional)	10-bit 4-20 mA output. Max load 800 Ohms with nominal 24 VDC power supply.
Common Alarm Relays (Standard)	Five 5A 30 VDC or 250 VAC resistive Form C
Discrete Alarm Relays (Optional)	Discrete relay option board (16) 5A 30 VDC or 250 VAC resistive Form C Multiple boards may be combined to meet relay requirements.
Temperature Range	-13°F to +140°F (-25°C to +60°C)
Enclosure	Non-metallic NEMA-4X wall-mount 1/2 width 19" rack enclosure NEMA-7 Explosion-proof wall-mount
Approvals	CSA C22.2 No. 1010.1 and C22.2 No. 152 for combustible and ISA S82.02 UL 1604 / C22.2 No. 213 (NEMA 4X = Div. 2 Groups A, B, C, D) En55011 and EN61000 (CE Mark) TXP-C64 XP version NEMA 7, Division 1, Groups B, C, D

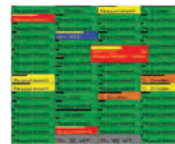
## Controller Options

### Name

NEMA 4X wall-mount
NEMA 7 wall-mount
Panel-mount rack, includes bezel and rack hardware
NEMA 4X 316 S.S. wall-mount
1 or 2 1/2 racks in 19" rack-mount
16 channel direct 4-20 mA input board
16 channel direct catalytic bead (Bridge Sensor) input board
Discrete alarm relay board (16) 5A Form C relays
85 - 240 VAC 150W 24 VDC Power Supply (6.2A)
85 - 240 VAC 600W 24 VDC Power Supply (6.2A)
Expansion NEMA 4X enclosure accommodates 10 option boards
Full 19" rack Accommodates 1 or 2 TXP-C64 Nests
mA / Bridge sensor input board (Accepts up to 8 input modules)

\*For additional options & configurations, please contact your TracXP representative

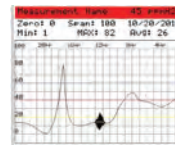
## Screens



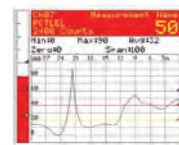
**Main Data Screen**  
Displays all active channels simultaneously. Cell color indicates alarm status.



**Bar Graph Screen**  
Displays all active channels. Cells indicate alarm.



**24 Hour Trend Screen**  
Displays channel 24 hour trend (status, Max., Min., Avg. channel ID and units.)



**Combination Screen**  
Displays most recent 30-minute trend, bargraph, status, Max., Min., Avg., channel ID and engineering units.



**Zone Screen**  
Displays all 8 possible active zones. Status indicating cell colors.