

## TAD CO-01 Personal Carbon Monoxide Gas Detector

You should never compromise on safety. The new improved TAD CO-01 has three visual alarm windows for increased worker safety.

Even better, each alarm window comes standard with both high visibility yellow and red alarm LEDs. In a warning condition, the yellow lights will flash and the lights in all three windows will chase. In a danger condition, the red LEDs will flash and the lights in all three windows will chase.

Plus, the improved TAD CO-01 has an audible alarm that is 10% louder than previous models! It has many alarm features, including an optional vibrating alarm and sound pattern and set points which are now fully user customizable.

Unit requires calibration on a regular basis using an approved calibration gas source. The unit will display the number of days till calibration is due on start-up.



### Key Features

- Compact and rugged
- IPX5/IPX7 rated protection against water ingress
- Large backlit display
- One button operation
- Automatic event logger (20 events including sensor type, max, average, time and duration)
- IRdA PC communication
- Loud alarm
- Top and front mounted bright LED
- RFI immunity to 40 V/m
- One button automatic calibration
- Over-moulded boot
- Replaceable lithium battery - 9000 hrs of operation
- Readouts include – Current, max, STEL and TWA gas readings; Time
- Alarms include – Low, high, STEL and TWA audible visual vibrating alarm

## Specifications

|                                     |  |
|-------------------------------------|--|
| Instrument Type                     | Single-sensor gas detector, replaceable battery and sensor   |
| Dimensions                          | 3.33" x 2.19" x 1.16" (8.44 cm x 5.56 cm x 2.95 cm)  |
| Weight                              | 3.5 oz (110 grams)   |
| Gas Sensors Available               | O2, CO, NH3, NO2, H2S, CO-H, Cl2, HCN, SO2, PH3  |
| Sensor Type                         | Electrochemical toxic gas sensor or Galvanic oxygen sensor   |
| Alarms                              | Warning, Danger, TWA (if enabled) and STEL (if enabled)  |
| Audible Alarm                       | Loud two tone alarm rated at 100dB at 10 cm  |
| Vibrating Alarm                     | Optional   |
| Visual Alarm                        | Three alarm windows with high visibility yellow and red alarm LEDs that chase  |
| Low Battery Alarm                   | Standard   |
| Display Backlight                   | Activates with button or alarm   |
| Controls                            | One button operation, including automatic calibration  |
| Clip                                | Alligator clip standard  |
| Built-in Event Logger               | Stores latest 20 events, including sensor type, max reading, average reading, start time and stop time   |
| Black Box DataRecorder              | Standard   |
| Readouts                            | Continuous real-time gas readings, peak, STEL (if enabled), TWA (if enabled) and time of day readings  |
| Replaceable Battery                 | Up to 9,000 hour battery life  |
| Housing                             | Compact and rugged, clear polycarbonate with TPE overmold  |
| Durability (IP Rating)              | Water and Dust Rating IP65/IP67 (standard housing), IP66/IP67 (Plastite housing)   |
| Standard Accessories Included       | Calibration adapter, tubing, operator's guide and quick reference guide  |
| Datalogger upgrade optional         | Approx. 135 hrs. @ 1 min. interval (Interval can be changed with optional BioTrak software, IrDA required)   |
| Automatic Docking Station Available | Works with the Biosystems IQ Express Single-Gas. Dock for automatic bump testing, calibration, instrument performance testing and record keeping   |
| Safety Certifications               | c-UL-us Classified for Class I, Div. 1, Group A, B, C, D T4   UL Classified for Class II, Div. 1, Group E, F, G   CSA Classified for Class I, Div 1, Group A,B,C,D T4   CSA Classified for Class II, Div 1, Group E,F,G   ATEX (DEMKO) EEx ia IIC T4   IECEx Ex ia IIC T4   CE Mark   CQST (China) Ex ia IIC T4   Conforms to IEC 61000-4-3 (10 V/m) for RF Immunity |