Always know the climate in your mine with the all-in-one sensor that is designed for harsh industrial environments.

ClimaTRAX provides accurate and real time measurements of your air quality. This helps you determine efficiencies of automated processes in your ventilation control and energy management systems. They can be implemented in both industrial and commercial settings.
An affordable environmental monitor with temperature, humidity and pressure sensors, designed for harsh industrial environments.

**MEASURE & MONITOR**
- Dry-Bulb Temperature
- Global Wet-bulb
- Barometric Pressure
- Relative Humidity
- Dew Point

**CALCULATED**
- Wet-bulb temperature
- Air density
- Heat stress index
**BENEFITS**

- Low cost, all-in-one temperature, humidity and pressure sensor
- Accurate real time measurement
- No maintenance
- Factory calibrated
- Simple installation and operation reduce project costs and start-up times

**FEATURES**

- 15 user selectable parameters
- White backlit LCD display
- Four user selectable 4-20mA analog outputs
- Modbus RS485 communication with two relay options for alarm, interlocks and control
- Rugged construction in either polycarbonate or stainless steel enclosures

**CUSTOMIZATION**

- Stainless steel enclosure
- Polycarbonate enclosure
- Stainless steel sensing probe
- Polycarbonate sensing probe
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Process</th>
<th>Measuring Units</th>
<th>Temperature, Heat index, Dewpoint</th>
<th>Pressure</th>
<th>m3/s, cfm, kcfm</th>
<th>Humidity</th>
<th>%RH</th>
<th>Air Density</th>
<th>Kg/m3, lbs/ft3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ranges</td>
<td>Humidity</td>
<td>min - max range</td>
<td>Resolution</td>
<td>0.7%</td>
<td>Accuracy</td>
<td>±1.8%</td>
<td>Long term drift</td>
<td>&lt; 0.5 %RH/yr</td>
</tr>
<tr>
<td></td>
<td>Temperature</td>
<td>-40° to +85°</td>
<td>Resolution</td>
<td>0.01°C</td>
<td>±0.8°C</td>
<td>&lt; 0.04 °C/yr</td>
<td>8 seconds</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pressure</td>
<td>300 to 2000 millibar</td>
<td>Resolution</td>
<td>0.1 mbar</td>
<td>±1.5 mbar</td>
<td>-1 mbar/yr</td>
<td>8.2 milli-seconds</td>
<td></td>
</tr>
</tbody>
</table>

### Electrical rating
- **Power In**: 12 to 30 VDC
- **Power Consumption**: < 2.1 watts

### Communication Interface
- **Serial**: Modbus RTU RS485
- **Analog outputs**: (4) Four 4-20mA
- **Optional**: (2) Two SPDT Form C Relays Modbus TCP (with CommTRAX) Ethernet IP

### Physical
- **Enclosure**: Stainless Steel Polycarbonate
  - **Rating**: IP65
  - **Operating temperature**: -40 to 85 °C
  - **Operating Humidity**: 0 to 99% RH
  - **Weight**: 1.4 lbs (0.6 kg)
  - **Dimensions**: 19 cm x 13 cm x 6 cm (28 cm probe)