ATEX / IECEx Handheld Telemetry Display

**Product Features**

- **Adaptable**
  Use with single or multiple transmitters

- **Long Range Transmission**
  Wireless range of up to 800 m (½ mile)

- **Portable & Highly Configurable**
  Audible warnings and feedback and backlight function

- **Cross Compatible**
  Operates with X24 and T24 transmitters

- **Flexible**
  Covers multiple usage scenarios

- **Intrinsically Safe Electronics**
  Approved for use in explosive atmospheres Zone 1, Zone 2

---

**Introduction**

The X24-HD is a highly configurable ATEX / IECEx handheld display capable of working with X24 or T24 Transmitter modules. With a range of up to 800 m, this allows wireless remote viewing in the hazardous areas of various remote inputs such as strain gauge or voltage etc. using 2.4 GHz radio.

The X24-HD receives data from the remote transmitter module such as X24-ACMi-SA, captures this data and displays it. The handheld can operate by displaying data from any transmitter detected or you can define up to 24 specific transmitters to allow the operator to cycle through.

Grouping functions allows up to 8 group totals to be viewable. Each group or individual transmitter has user defined name, scaling, display format, zero functions and overload settings.

---

**Accessories**

- **X24-5Ae**
  ATEX / IECEx Telemetry Strain Transmitter OEM Module

- **X24-ACMi-SA**
  ATEX / IECEx Telemetry Strain Transmitter Module

---

**Extend Your Capabilities with our T24 Wireless Modular System**

Adaptable and expandable system for safe zones.

Certified transmitters send to ‘safe zone’ base stations, gateways, analogue and digital outputs.

Find out more at wirelesssensorsystem.com
### Electrical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply Voltage</td>
<td>2.3 to 3.6 Vdc</td>
</tr>
<tr>
<td><em>Must Use Energizer L91 Batteries</em></td>
<td></td>
</tr>
</tbody>
</table>

### Power Supply Specifications

Estimated Battery Life Using Energizer L91 AA Batteries:

- **Standby Mode (Powered Off):** >5 Years
- **Continuous Operation:** 54 Hours

### Environmental Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Ratings</td>
<td>IP67</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-10 to +50 °C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40 to +85 °C</td>
</tr>
<tr>
<td>Humidity</td>
<td>0 to 95 %RH</td>
</tr>
</tbody>
</table>

### Physical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hand Held Dimensions</td>
<td>90mm x 152mm x 34mm</td>
</tr>
</tbody>
</table>

### Order Codes

**X24-HD**  
ATEX / IECEx Handheld Telemetry Display  

Manual Reference: 517-938