



X24-HD



## ATEX / IECEx Handheld Telemetry Display



### 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.

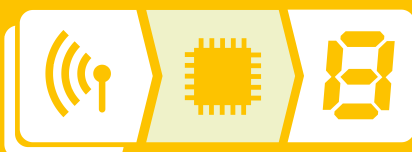
Grouping functions allows up to 8 group totals to be viewable. Each group or individual transmitter has user defined name, scaling, display format, zero functions and overload settings.

### 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

Ex I M2  
Ex ib I

Ex II 2G  
Ex ib IIC T4 Gb  
Ta = -20°C to +50°C



### Accessories



**X24-SAe**  
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.

## Specifications

### Electrical Specifications

**Power Supply Voltage** 2.3 to 3.6 Vdc

\*Must Use Energizer L91 Batteries

### Power Supply Specifications

**Estimated Battery Life Using**

**Energizer L91 AA Batteries:**

**Standby Mode (Powered Off)** >5 Years

**Continuous Operation** 54 Hours

### Environmental Specifications

**IP Ratings** IP67

**Operating Temperature Range** -10 to +50 °C

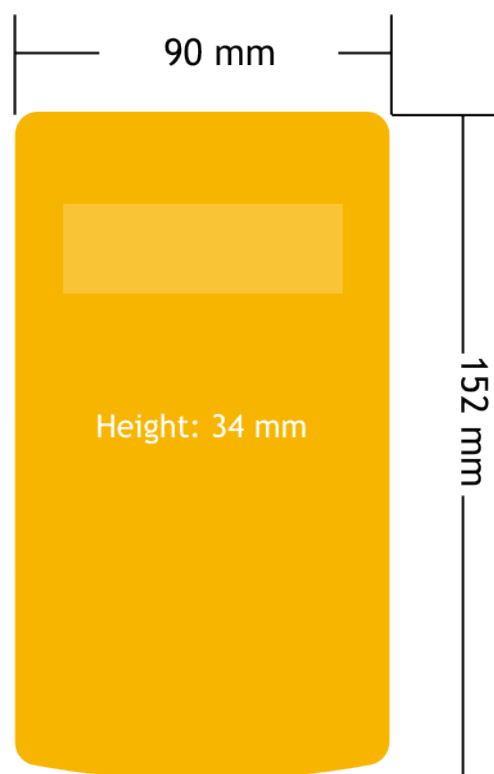
**Storage Temperature** -40 to +85 °C

**Humidity** 0 to 95 %RH

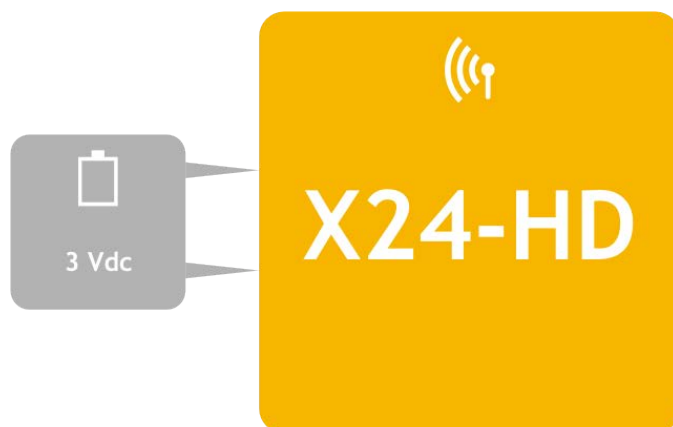
### Physical Specifications

**Hand Held Dimensions** 90mm x 152mm x 34mm

## Mechanical



## Electrical



## Order Codes

### X24-HD

ATEX / IECEx Handheld Telemetry Display

#### Distributor:

UTILCELL s.r.o.  
nám. V. Mrštíka 40,  
664 81 Ostrovačice  
Czech Republic

#### Manufacturing factory:

Mantracourt Electronics Ltd  
The Drive, Farringdon, Exeter,  
Devon, EX5 2JB, UK

