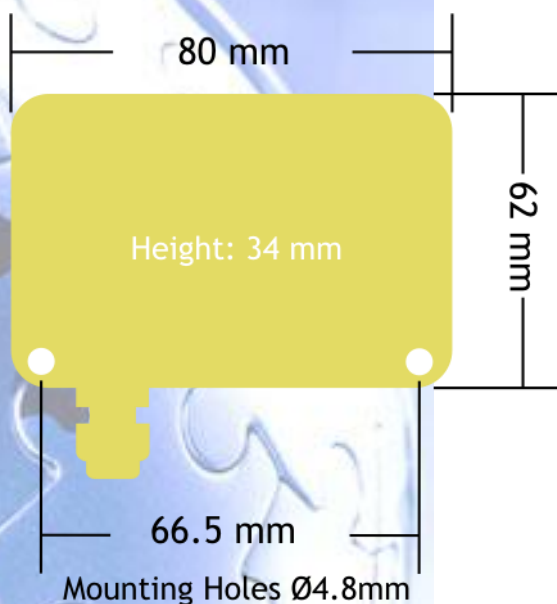


The ATEX / IECEx telemetry transmitter module measures the input voltage and transmits data periodically to be received by the X24 or T24 receivers.

High accuracy ratio metric input allows calibration and linearisation for pressure, force, torque and weight measurement in explosive atmospheres. Housed in an environmentally sealed IP67 enclosure with battery holder for two Lithium Energiser L91 AA batteries. This flexible transmitter supports a wide range of bridge sensors and is ideal for locations where a cable connection is difficult.



## CHARACTERISTICS

- Approved for use in Explosive Atmospheres Zone 1, Zone 2
- Range of 800 m (½ mile)
- Long battery life: 2 years at 12 sessions of 5 minutes per day; 30 days continuous
- Extremely low temperature drift and high accuracy
- High resolution bridge/metric ratio measurement
- Up to 1 part in 400,000 (18.75 bit) resolution with no noise
- Bipolar input, up to  $\pm 3.2$  mV/V
- Calibration and linearisation to engineering units
- Capable of driving 4 X 350 R load cells
- Baud rates up to 200 Hz
- 5 V bridge excitation
- Compatible with X24 receiver and T24 receivers
- OEM option available with X24-SAe module
- Efficient omni-directional antenna eliminates requirement for an external housing antenna
- Environmentally sealed to IP67 in ruggedised housing
- Operating temperature range of  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$
- 80 mm X 62 mm X 34 mm (not including cable glands)
- Uses readily available Energizer L91 batteries

## FUNCTIONS

- The X24 range of telemetry products are ATEX and IECEx approved members of the wider T24 range of telemetry products. Systems can be assembled using X24 in hazardous areas and T24 in safe areas as required.
- The radios operate in the unlicensed 2.4 GHz band and are approved for European, IC and FCC use.
- Flexible transmission speeds and low power usage enable long battery/cell life for the remote modules.
- Free Toolkit software provides simplified module configuration and other free software provides logging and viewing functions for Windows PCs.
- When using X24 products, you should also refer to the T24 Telemetry User Manual and also note that X24 products are configured using the T24 Toolkit software in conjunction with a T24 base station.

## OPTIONS

- ATEX / IECEx telemetry strain gauge transmitter module

