# 3600 NEON LORA WAN SDI 12 EXTENDER 

The 3600 Neon LoRa WAN SDI 12 Extender is an extender device which utilises the LoRa communication system as its method of providing an SDI 12 extender function between SDI 12 field sensors and a Neon Remote Logger.

The 3600 Neon LoRa WAN SDI 12 Extender provides a bridge between two SDI 12 devices, emulating a standard wire connection between SDI 12 devices. Some of the other functions on the remote 3600 LoRa WAN SDI 12 Extender are separately addressable, such as analogue inputs and counter inputs.
The 3600 Neon LoRa WAN SDI 12 Extender is programmed in the factory to perform the SDI 12 bridge function.

The 3600 Neon LoRa WAN SDI 12 Extender is a useful accessory product to be used in any measurement station especially when the measuring instruments are located a few hundred metres away from the central Neon Remote Logger at the hub of the measurement station. Using this extender eliminates the need for long runs of wire, which may not be practical, especially in some river measurement stations.

The system requires a pair of the 3600 Neon LoRa WAN SDI 12 Extenders to be used, the system does not work with only one of these units in isolation.

## SPECIFICATIONS

| OPERATING FREQUENCIES: | LoRa WAN AU915, AS923 | ANTENNAE: | External antenna |
| :---: | :---: | :---: | :---: |
| MATERIAL: | Polycarbonate | PROVIDES INSTRUMENT POWER: | 5 V switched regulated, 150 mA |
| SIZE: | L190mm x W80mm x H55mm |  |  |
| WEIGHT: | 300 g | INTERFACE: | SDI 12 bus using 0C! Command |
| OPERATING TEMPERATURE: | $-20^{\circ}$ to $+60^{\circ} \mathrm{C}$. Not affected by humidity | ANALOG CHANNELS: | 2 Single ended ( $0-2500 \mathrm{mV}$ ) with 12 bit resolution addressable using a dedicated SDI 12 address |
| POWER: | 3.6 V Lithium D Cell or 12V Ext | COUNTERS: | $4 \times 16$ bit, potential free contacts addressable using a dedicated SDI 12 address |
| CURRENT DRAW: | 35 mA |  |  |

