

# Danntech Process Instrumentation

*Danntech*

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### [Signal Converters](#)

#### **Programmable Signal Transmitter 24/12 VDC**

A variety of current and voltage inputs. 24 bit analogue input conversion. 12 bit analogue output conversion. Galvanic isolation to 1 000 VDC for all inputs, outputs, power and communications. Two programmable alarm output relays with independent LED operation. PC based configuration and calibration. Detailed access of all inputs, outputs and alarm levels via register based RS232 and RS485 ASCII interface. Modbus interface. Configuration software. [\[Product Details...\]](#)

#### **Signal Converter**

Our range of signal converters provide a convenient way of converting almost any input voltage or current to commonly used process signal levels. Voltages of down to 50 mV can be converted to a standard current or voltage output. Customized input and output requirements can usually be met on request. A high quality instrumentation amplifier forms the input stage with galvanic isolation between input and output. A filter with adjustable time constant between 0 and 20 seconds is also provided for the filtering of noisy signals. [\[Product Details...\]](#)

#### **Eco-Line Signal Converter**

Signal conversion, amplification and isolation. Elimination of the effects of ground loops from distributed process signals. Protection of measurement signals against interference such as generated by motors, contactors and power line surges for non-isolated devices and PLC inputs. Process signal amplification in situations where the line impedance is too great to effectively drive the required instrumentation. [\[Product Details...\]](#)

#### **High Current Signal Converter**

Provides either a voltage or current output of up to  $\pm 10V$  at 250 mA. Output can be either constant voltage or constant current. Linear control of output current and voltage, not switched mode. Interface to bipolar hydraulic valves. [\[Product Details...\]](#)

## **Bipolar Current Output Signal Converter**

This Signal Converter is a variation of our standard Signal Converter with the output adapted to provide a bipolar current output. There is a wide choice of input options and current outputs of  $\pm 20$  mA or  $\pm 10$  mA.

[\[Product Details...\]](#)

## **High Voltage Output Signal Converter**

Adapted from our standard Signal Converter, the High Voltage Output version has output options of  $\pm 20$  V and 0 to 30 V. A wide choice of input options are available. [\[Product Details...\]](#)