
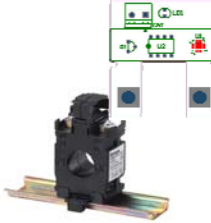





| #  | Danntech Product Name   | Photo   | Input   | Background   | Product Features  | Output  | Communications  | Response Time   | Power Supply               |
|--|---|---|---|--|---|---|---|---|----------------------------|
| Current_Voltage_Transmitters_Tabled.xlsx |   |   |   |  |   |   |   |   |                            |
| 1.6                                      |   |   |   |  |   |   |   |   |                            |
| 21st October 2020                        |   |   |   |  |   |   |   |   |                            |
| 1  | Eco-Line Signal Converter   |    | 0 to 1 mA DC up to 0 to 15 A DC only.   | Using our slightly modified Eco-Line Signal Converter we can measure DC currents by installing a shunt resistor and the Eco-Line configured for suitable mV input. | Digital design with all the Eco-Line features - DC current  | 4-20mA, 0-20mA, ±10V, ±5V, 0-5V, 0-10V.                                   | Isolated RS232 TTL option.  | Approximate minimum of 100mS (10Hz).                          | 12VDC, 24VDC, 22 to 32 VDC |
| 2  | Eco-Line Signal Converter with External Shunt   |    | Any current as per shunt. Using mV input with DC current only.  | Same as above with an external shunt   | Digital design with all the Eco-Line features - DC currents.  | 4-20mA, 0-20mA, ±10V, ±5V, 0-5V, 0-10V.                                   | Isolated RS232 TTL option.  | Approximate minimum of 100mS (10Hz).                          | 12VDC, 24VDC, 22 to 32 VDC |
| 3  | 3 Input Voltage/Current Transmitter (3CVIT)   |    | Any currents up to 30 A with internal shunts. DC or AC. Voltage inputs up to 600 VAC.                                     | Originally designed for 3 x 0-600 VAC for motor power monitoring. Also adapted for high speed AC current monitoring for large pump startup currents.               |   | 4-20mA, 0-20mA, ±10V, ±5V, 0-5V, 0-10V - three outputs share a common 0V. | None, although an option is a plug-on PCB to collect serial data from three channels for display or Serial Comms. | Approximate minimum of 100mS (10Hz), faster for Fast Version. | 9-18V; 18-36V              |
| 4  | High Current Input Transmitter (HCIT)   |   | Any current up to about 250 A with internal shunt and higher with external shunt - depends upon shunt geometry. DC or AC. | Shunt included with Eco-Line inside plastic enclosure.   | Has all features of the Ecoline and actually needs a dedicated PCB designed to make assembly easier, faster and cheaper. DC current.                | 4-20mA, 0-20mA, ±10V, ±5V, 0-5V, 0-10V.                                   | Isolated RS232 TTL option.  | Approximate minimum of 100mS (10Hz).                          | 12VDC 24VDC                |
| 5  | Current/Voltage Transmitter DC Powered RMS  |  | 0 to 1 mA or 0 to 50 mV up to 0 to 15 A or 250 V, AC or DC.   | Similar to Eco-Line design with DSP processor to do RMS to DC conversion and other high speed functions. Frequency response 0.1 to 300 Hz.                         | Any AC or DC current input up to 15 A, standard inputs are 0-1, 0-5, 0-10 and 0-15A. Response time approximately 1 sec.                             | 4-20mA, 0-20mA, ±10V, ±5V, 0-5V, 0-10V, etc.                              | Isolated RS232 TTL option.  | Approximate minimum of 100mS (10Hz).                          | 12VDC, 24VDC, 22 to 32 VDC |
| 6  | Current/Voltage Transmitter DC Powered - Wide Bandwidth, True RMS, Fast Responding and Wide Input Frequency |  | 0 to 1 mA or 0 to 50 mV up to 0 to 15 A or 250 V, AC or DC.   | Same as above except uses special hardware to do True RMS to DC Conversion. Frequency response from DC to 10 kHz.  | Response time approximately 1 sec. Fast responding version has half cycle response up to 60 Hz or more with optional RMS conversion per half cycle. | 4-20mA, 0-20mA, ±10V, ±5V, 0-5V, 0-10V, etc.                              | Isolated RS232 TTL option.  | Approximate minimum of 100mS (10Hz).                          | 12VDC, 24VDC, 22 to 32 VDC |
| 7  | Current/Voltage Transmitter Mains or DC Powered - RMS   |  | 0 to 1 mA or 0 to 50 mV up to 0 to 15 A or 500 V, AC or DC.   | A digital version of the unit we have made for many years. (DT203)   | Any AC or DC current input up to 15 A, standard inputs are 0-1, 0-5, 0-10 and 0-15A. Response time approximately 1 sec.                             | 4-20mA, 0-20mA, ±10V, ±5V, 0-5V, 0-10V, etc.                              | Isolated RS232 TTL option.  | Approximate minimum of 100mS (10Hz).                          |                            |
| 8  | Current/Voltage Transmitter Mains or DC Powered - RMS, Dual Alarm Relay Outputs                             |  | 0 to 1 mA or 0 to 50 mV up to 0 to 15 A or 500 V, AC or DC.   | Same as above except uses special hardware to do True RMS to DC Conversion. Frequency response from DC to 10 kHz.  | Response time approximately 1 sec. Fast responding version has half cycle response up to 60 Hz or more with optional RMS conversion per half cycle. | 4-20mA, 0-20mA, ±10V, ±5V, 0-5V, 0-10V, etc.                              | Isolated RS232 TTL option.  | Approximate minimum of 100mS (10Hz).                          |                            |

|    |  |   |   |   |   |  |                             |                                      |   |
|----|--|---|---|---|---|--|-----------------------------|--------------------------------------|---|
| 9  | Current Transducer - Self Powered            |    | 0-1 A AC or 0-5 A AC  | Have been making for many years, now into second batch of original design.  | AC only - uses an internal CT for measurement and for generating power for the 4-20 mA output.  | 0-20 mA, 4-20 mA   | Isolated RS232 TTL option.  | <1 second                            | Self powered.                               |
| 11 | Low Cost AC Current Transmitter              |    | 0-50 A AC up to 0 300 A AC using different current transformers.  | Loop powered amplifier/controller onto the DIN rail mounting current transformer.   | PCB designed to be low cost and mass produced for cheap way of measuring AC current. Fitted to a range of CTs from 50 A up to 300 A.  | Loop powered 4-20 mA, maybe RS485 in the future?   | none                        | < 1 second                           | Loop powered.                               |
| 12 | Quad Signal Converter                        |    | 0-1A, 0-5 A AC or DC on two inputs only !<br>Other inputs:<br>4-20mA, 0-20mA, 0-10V, ±10V, 0-100mV, 0-5V, 0-100V.   | A complete redesign of our original Quad Signal Processor   | Four isolated inputs with a variety of options. 12 bit A/D and D/A input. Three outputs loop powered 4-20 mA, one output self powered or all four outputs loop powered. Four relay outputs. USB and RS485 interfaces available. Mains or DC powered.  | 3 x Loop Powered 4-20 mA; one self powered output 0-20mA, 4-20mA, ±10V, 0-5V, 0-10V  | Isolated USB, RS485, Modbus | < 1 second                           | Mains or DC                                 |
| 13 | High Current Input Power Transmitter (HCIPT) |   | Any current up to about 250 A using an internal shunt. DC or AC. Various input supply options:<br>a. 9 to 36 VDC<br>b. 9 to 72 VDC<br>c. 90 to 260 VAC              | Originally designed for solar applications to measure and transmit the voltage, current and calculated power, charging and discharging.   | An isolated auxiliary input which can be used for any AC or DC voltage or current inputs. Both the main and auxiliary inputs have the following features:<br>a. Voltages from 50 mV up to 300 V<br>b. Currents from 0 to 20 mA up to 10 A (directly input without shunt).<br>c. DIP switch and link settings for the various input options.<br>d. An internal 20 VDC 30 mA fused supply for loop powered transmitter inputs | 4-20mA, 0-20mA, ±10V, ±5V, 0-5V, 0-10V.  | Isolated RS232 TTL option.  | Approximate minimum of 100mS (10Hz). | 9 to 36 VDC<br>9 to 72 VDC<br>90 to 260 VAC |
| 14 | DC Power Transmitter (Low Voltage)           |  | Any current up to about 250 A using an external shunt. Up to 15 A with internal shunt. DC or AC. Various input supply options:<br>a. 9 to 36 VDC<br>b. 18 to 72 VDC | This small, multi-processor, DC power transmitter is ideal for battery systems where charge/discharge monitoring is required. The device uses the voltage being monitored to power itself. The current input can be self-contained up to 15 A DC or higher using an external current shunt. The current input can be bipolar for charging and discharging applications. | Multi-way galvanic isolation (1000 VAC) between the voltage input, the current input, the output and the communications. The facility for galvanically isolated serial communications has been included for configuration and for remote access to all the measurements and internal settings.  | 4-20mA, 0-20mA, ±10V, ±5V, 0-5V, 0-10V. Digital or pulse outputs can be provided with an opto-isolated transistor output up to 1 kHz or a relay for a pulse output. The digital output can also be configured as Power Trip/Alarm. | Isolated RS232 TTL option.  | Approximate minimum of 100mS (10Hz). | 9 to 36 VDC                                 |