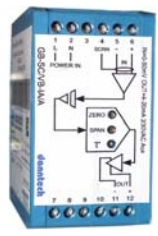
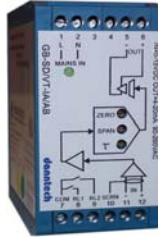



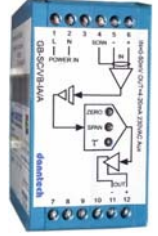
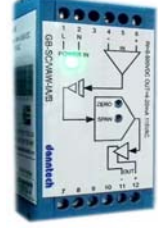




Danntech Products suitable for General Signal Conversion and Isolation

Generic Part Numbering	Danntech Product Name	Photo	Information	Product Features	Product Brochure	Input	Output	Communications	Response Time	Isolation	Technical Details	Power Supply	Availability	Configurability
GB-SC/...	Analogue Signal Converter		A completely analogue Signal Converter providing conversion and isolation with a wide selection of inputs and outputs.	Zero and span trimpot adjustments. Time constant adjustment using trimpot for noisy signals. Open collector output option.	GB12	4-20 mA, $\pm 10$ V, 0-10 V, 0-12 V, very many other options from $\pm 50$ mV up to $\pm 100$ V.	0-20 mA, 4-20 mA, $\pm 10$ V, 0-5 V, 0-10 V	none	Approximately 20 mS to 20 seconds with filter enabled. High speed version available up to 10 kHz.	Three way isolation - input/output - 1 kVDC, auxiliary power - 4 kVDC for AC powered versions.	Completely analogue design, very many factory selectable options. Fast and low noise.	12VDC 24VDC 115VAC 230VAC 90-260VAC	A few days, normally configured on order.	Not user configurable, factory configurable.
GB-SD/...	Signal Converter - Digital		A hybrid analogue/digital version of our signal converter with input at the bottom right, output at the top right. Has optional relay outputs with the TTL RS232 for setup and other features.	Zero and span trimpot adjustments. Filter adjustment using DIP switches for noisy signals. Open collector output option.	Available soon.	4-20 mA, 0-20 mA, $\pm 100$ mA, 0-10 V, $\pm 10$ V, 0-100 mV, 0-100 V, resistance, etc.	0-20 mA, 4-20 mA, $\pm 10$ V, 0-5 V, 0-10 V	Isolated RS232 TTL option.	Approximately 10 mS to 20 seconds with filter enabled.	Three way isolation - input/output - 1 kVDC, auxiliary power - 4 kVDC for AC powered versions.		12VDC 24VDC 115VAC 230VAC 90-260VAC	Signal converter PCB presently being designed. Power supply is designed and available in three versions. Four to six weeks.	User configurable using DIP switches and later software.
GB-SE/...	Eco-Line Signal Converter		Redesigned recently to provide easier setup and more flexible input and output options.	Hybrid analogue/digital design with configurable inputs and outputs. Resistance, pT100 and thermocouple inputs. Isolated RS232 TTL comms option.	GB52	4-20 mA, 0-20 mA, $\pm 100$ mA, 0-10 V, $\pm 10$ V, 0-50mV, 0-100 mV, 0-100 V, etc.	0-20 mA, 4-20 mA, $\pm 10$ V, 0-5 V, 0-10 V, 0-100 mV, $\pm 100$ mV.	Isolated RS232 TTL option.	Approximate minimum of 0.1 mS (10 Hz).	Three way isolation - input/output - 1 kVDC, auxiliary power.		12VDC 24VDC	Have standard versions in stock as well as many assembled PCBs ready for configuration and testing.	Factory configured for many different inputs. Inputs can be anything within the input ranges.
GB-SE/...UCV	Eco-Line Signal Converter		Redesigned recently to provide easier setup and more flexible input and output options. User configurable as per user manual and serial communications version available (Eco-Line Cereal).	Hybrid analogue/digital design with configurable inputs and outputs. Resistance, pT100 and thermocouple inputs. Isolated RS232 TTL comms option.	GB52	4-20 mA, 0-20 mA, $\pm 100$ mA, 0-10 V, $\pm 10$ V, 0-50mV, 0-100 mV, 0-100 V, etc.	0-20 mA, 4-20 mA, $\pm 10$ V, 0-5 V, 0-10 V, 0-100 mV, $\pm 100$ mV.	Isolated RS232 TTL option.	Approximate minimum of 0.1 mS (10 Hz).	Three way isolation - input/output - 1 kVDC, auxiliary power.		12VDC 24VDC	Have standard versions in stock as well as many assembled PCBs ready for configuration and testing.	Factory configured for many different inputs. Inputs can be anything within the input ranges.
GB-SI/...	Process Signal to Bi-Polar Current Converter		Developed from our standard signal converter/isolator range. This uses our basic signal converter format with high speed analogue isolator and current drive output. We have been making these for some years and have just recently revised the circuit to make it easier and quicker to configure.	Analogue, linear design. Can be fast responding with filtering trimpot adjustment. Bi-polar current output.	GB12	4-20 mA, 0-20 mA, $\pm 100$ mA, 0-10 V, $\pm 10$ V, 0-100 mV, 0-100 V, etc.	Current only - up to $\pm 100$ mA.	not available	Approximate minimum of 200 $\mu$ S (6 kHz).	Three way isolation - input/output - 1 kVDC, auxiliary power - 4 kVDC for AC powered versions.	Completely analogue, uses ISO122 and basic class C type amplifier output. Maximum current limited by power supply - output circuit could handle up to	115 VAC 230VAC 12VDC 24VDC	Assembled on order, normally have built PCBs in stock ready for configuration and testing. (1-2 weeks)	Factory configured for many different inputs. Inputs can be anything within the input ranges.
GB-SV/...	High Voltage Output Signal Converter		Basic completely analogue Signal Converter providing conversion and isolation in a wide selection of inputs and outputs.	Zero and span trimpot adjustments. Time constant adjustment using trimpot for noisy signals. Open collector output option.	GB12	4-20 mA, 0-20 mA, $\pm 100$ mA, 0-10 V, $\pm 10$ V, 0-100 mV, 0-12 V, 0-100 V, etc.	0-30 V, $\pm 20$ V	not available	Approximately 20 mS to 20 seconds with filter enabled. High speed version available up to 10 kHz.	Three way isolation - input/output - 1 kVDC, auxiliary power - 4 kVDC for AC powered versions.	Hybrid analogue/digital design, many DIP switch and comms configurable options.	12VDC 24VDC 115VAC 230VAC 90-260VAC	A few days, normally configured on order.	Not user configurable, factory configurable.
GB-SC/...	High Voltage DC Input Signal Converter		Modified from our digital RMS voltage transmitter.	Zero and span trimpot adjustments. Digital design with inputs up to 500 VDC.	GB12	0-150 VDC, 0-300 VDC, 0-350 VDC, 0-500 VDC	0-20 mA, 4-20 mA, $\pm 10$ V, 0-5 V, 0-10 V	Isolated RS232 TTL option.	Approximately 20 mS to 20 seconds with filter enabled. High speed version available up to 10 kHz.	Three way isolation - input/output - 1 kVDC, auxiliary power - 4 kVDC for AC powered versions.	Hybrid analogue/digital design, many DIP switch and comms configurable options.	12VDC 24VDC 115VAC 230VAC 90-260VAC	A few days, normally configured on order.	Not user configurable, factory configurable.
GB-SH/...	High Current Output Signal Converter (HCOSC)		We have been making these for ten years or so and have recently updated the design to have more better flexibility, higher output current and to have more features. We also do a hydraulic valve control version with dither and ramping.	Our new design has 3 way isolation, bi-polar current and voltage output with output up to $\pm 350$ mA [later another version up to $\pm 1.1$ A]. Dither, ramping and all the features required for high spec hydraulic valves.	GB59	4-20 mA, 0-20 mA, 0-100 mV, 0-1 V, 0-10 V, 0-100 V, $\pm 1$ V, $\pm 10$ V, (others possible and you can calibrate to any values within each standard range). Resistance - up to 10 k $\Omega$ , user rangeable.	There are basically three main models - 1. Current output of $\pm 250$ mA (500 mA peak). 2. Current output of $\pm 400$ mA (900 mA peak). 3. Current output of $\pm 1$ 300 mA continuous (2 500 mA peak, maybe more).	Optional isolated USB, RS485, Modbus	2 mS or less.	Three way isolation - input/output/auxiliary supply - 1 kVDC isolation.	Multi-processor design to provide flexible inputs, isolated serial communications, output feedback and digitally controlled dither.	9 - 18VDC 18 - 36 VDC 36 - 75 VDC	Assembled on order, normally have built PCBs in stock. (Presently 4 weeks)	User configurable using DIP switches and later software.
GB-QSC/...	Quad Signal Converter		A complete redesign of our original Quad Signal Processor into a much more compact enclosure with mains and DC power options. The multiprocessor design provides flexibility and the ability to configure each input separately for voltage, current, AC or DC and frequency with four optional relay outputs.	Four isolated inputs and four isolated outputs with a variety of options. 12 bit A/D and D/A input. Two output styles: 1. Three outputs loop powered 4-20 mA, one output self powered. 2. Four outputs loop powered 4-20 mA. Four relay outputs. Two digital inputs. USB and RS485 interfaces available. Mains or DC powered.	GB78	Four individually isolated inputs - standard types are: 0-100 mV (0-50 mV also possible), 0-1 V, 0-10 V, $\pm 10$ V, 0-100 V, 4-20 mA, 0-20 mA and loop powered 4-20 mA. Two inputs can be factory configured for DC or AC currents 0-1 A, 0-5 A. Two digital inputs.	Two output versions: 1. Four outputs - three of which are 4-20 mA, loop powered, one is a self-powered output: 4-20 mA, 0-10 V, $\pm 10$ V, $\pm 5$ V, 0-5 V. 2. Four outputs - all four are 4-20 mA, loop powered. Four relay outputs.	Option isolated USB, RS485, Modbus	0.1 Sec or less.	Multiway isolation. All inputs and outputs individually isolated as well as power supply isolation.		9 - 18VDC 18 - 36 VDC 36 - 75 VDC 90 - 260 VAC		User configurable using DIP switches and later software.