AN0017
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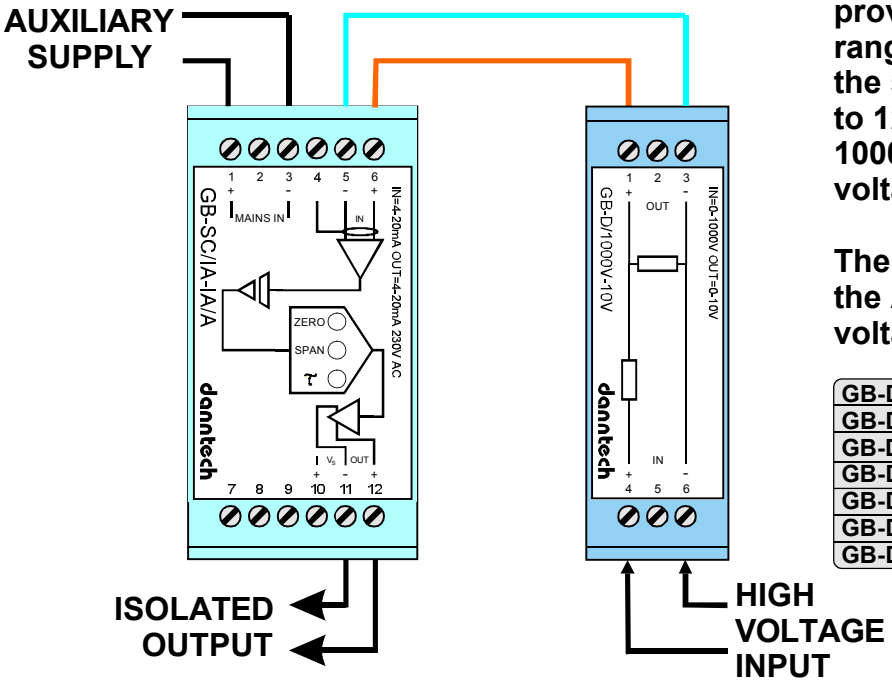
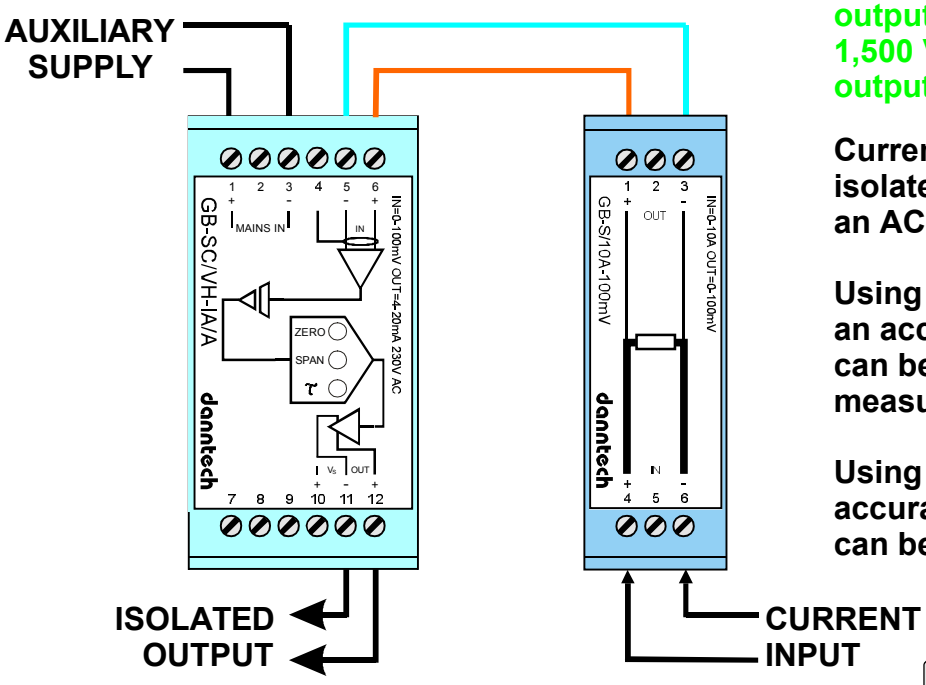
Using Current Shunts and Voltage Dividers



Voltage dividers can be used to provide an extended voltage input range beyond the normal range of the signal converters which go up to 120 V. Beyond 100 V and up to 1000 V we recommend using a voltage divider.

The divider can also be used with the AC Voltage Transducer for AC voltages up to 1000 VAC.

GB-D/1000V-400V	Voltage Divider 0-1000V/0-400V
GB-D/1000V-10V	Voltage Divider 0-1000V/0-10V
GB-D/1000V-110V	Voltage Divider 0-1000V/0-110V
GB-D/250V-10V	Voltage Divider 0-250V/0-10V
GB-D/600V-10V	Voltage Divider 0-600V/0-10V
GB-D/650V-10V	Voltage Divider 0-650V/0-10V
GB-D/700V-10V	Voltage Divider 0-700V/0-10V



Three way galvanic isolation between the auxiliary supply, the input and the output. The Signal Converter provides 1,500 VAC isolation between input and output.

Current shunts are useful when an isolated process signal is required for an AC or DC current.

Using the shunt with a signal converter an accurate, isolated process signal can be obtained for DC current measurement.

Using a true RMS Voltage Transducer, accurate measurements of AC current can be obtained up to 25 A.

GB-S/25A-175MV	Shunt 0-25A/0-175mV
GB-S/10A-200MV	Shunt 0-10A/0-200mV
GB-S/15A-150MV	Shunt 0-15A/0-150mV
GB-S/1A-100MV	Shunt 0-1A/0-100mV

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