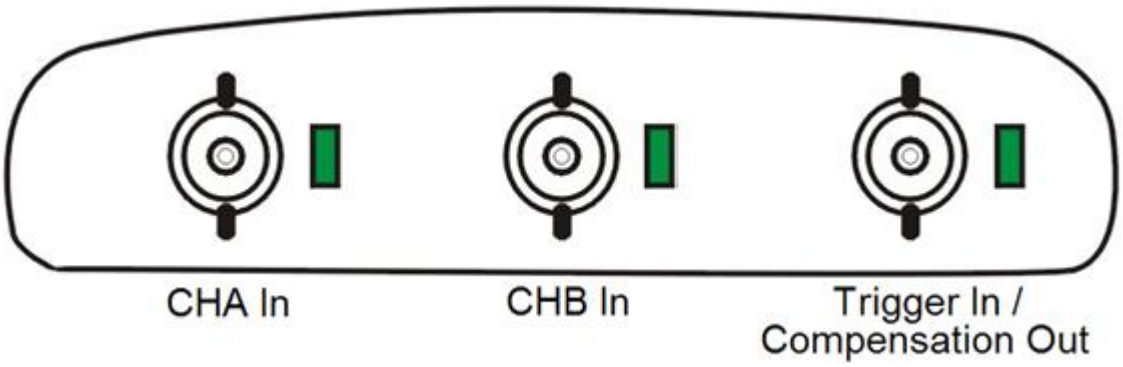
Important Information
Please Read Before Use

DS60M10 Front Panel Connections



Please note the following points before connecting the DS60M10 to the circuit to be measured:

1. Like many PC-based instruments, the DS60M10 does NOT provide galvanic (optical) isolation between itself and the host PC. The GND (outer) connection on each of the BNC connectors is connected to the GND of the host PC via the USB GND wire and cable shield.

   Normal scope probe leads have a direct connection between the probe GND clip and the BNC GND connection and so are effectively earthed via the host PC. This can also apply to notebook PCs where some other IO connector is wired to other equipment that is earthed (for example a USB connection to a printer).

   In such a situation, connecting the GND lead of the scope probe to a voltage source can cause excess current to flow down the GND circuit of the DS60M10 and host PC which may blow the internal protection fuse of the DS60M10 or in a serious case may damage the host PC or circuit under test. To avoid this, please take care that the GND clip of any attached scope probes are only attached to signals that are floating or at GND potential. If in doubt, check if a voltage differential exists between the GND of the scope and the GND of the equipment being tested using a multi-meter set to measure volts, before making any connections between the scope and the equipment.

2. Please observe that the maximum input voltages to the DS60M10 inputs are as follows:

ChA, ChB	+/- 50V DC	(35VAC RMS)
Out/Ext Trig In	+/- 5V	

3. Do not connect any external signal to the Trigger In / Compensation Out connector when the Trigger input is not active (i.e. do not connect an external signal when the green LED next to the Trigger In / Compensation Out connector is off) .