REFCAL Reference Calibrator for the DA100C

The **REFCAL** is used to check the reference voltage of the **DA100C**. It connects to the DA100C and displays the reference voltage as an analog input signal. This makes it very easy to adjust the reference voltage of the DA100C to suit your transducer.

The REFCAL connects the VREF1 and VREF2 voltage reference outputs directly to the DA100C inputs via a precision attenuator of value (1/50). When using the REFCAL to set the DA100C references, the DA100C should be set to DC with a gain of 50.

The voltage output on the selected channel of the DA100C will be the voltage difference between VREF1 and VRREF2:

$$V_{OUT} = V_{REF1} - V_{REF2}$$

CBLCAL Calibration Cable for the DA100C

Use the CBLCAL to verify the signal calibration of the DA100C. This cable (1.8m) connects between the DA100C input and the UIM100C D/A output 0 or 1. To verify the DA100C's frequency response and gain settings, create a stimulus signal with Acq*Knowledge* and monitor the DA100C's output. The CBLCAL incorporates a precision 1/1000 signal attenuator.

See also: Application Note #AH102 — Biopotential Amplifier Testing using CBLCAL