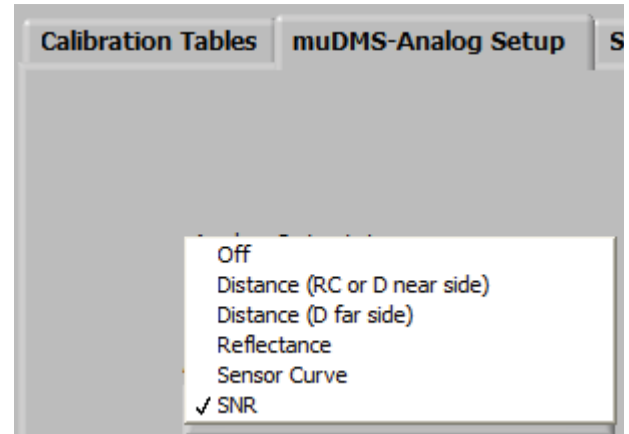


## Optional Analog Outputs for muDMS Units Model muDMS-A



With Option A, muDMS units are provided with two user selectable voltage outputs having a span of 0 to 4.1 volts full scale. These are provided on the BNC connectors labeled A1 and A2 as shown here. Typically, these outputs are set to provide the Distance Output and the SNR voltage.

### Limitations of muDMS Analog Outputs

These optional analog outputs are not intended to replace or be a substitute for true analog sensors which have very high speed capability...

- They are created using a 12 bit DAC on the output of the USB signal, and therefore, they have an order of magnitude poorer resolution than the USB output which is created with a 24 bit ADC.
- They are limited in their update capability to a maximum of 1,000 readings per second.
- USB and analog outputs cannot be used simultaneously: the sensor can operate with USB output only or with analog output only.

The sensor runs with USB communication when the DMS Control Software is opened. Analog outputs and speed must be selected using the DMS Control Software. The analog outputs turn on when the Control Software is closed.