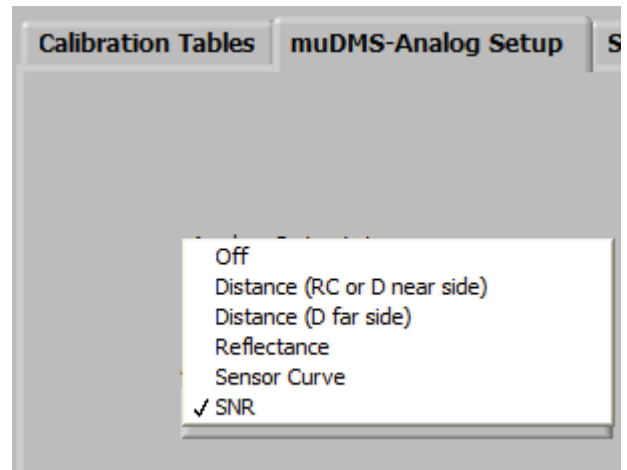


Optional Analog Outputs for muDMS Units

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 two BNC connectors. These outputs are factory 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, 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.

The sensor runs in USB communication when the DMS Control Software is opened. Analog outputs and speed are selected using the Control Software.

> Analog outputs turn on when the Control Software is closed.

USB and analog outputs cannot be used simultaneously:

- the sensor can operate with one or the other separately.