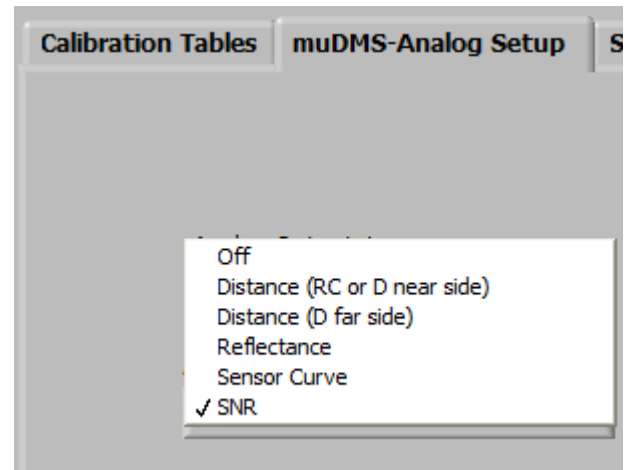


# Optional Analog Outputs for muDMS Units

## 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. 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, 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 only.