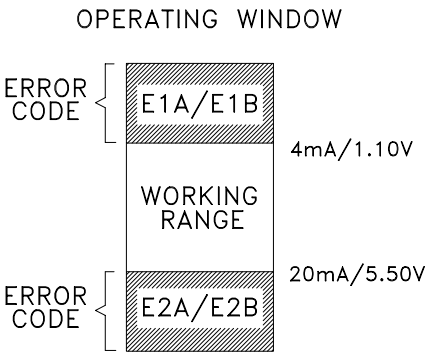
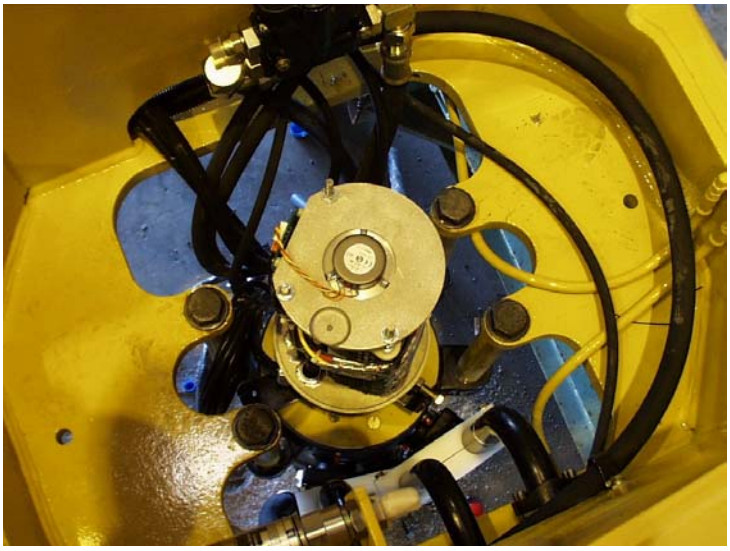
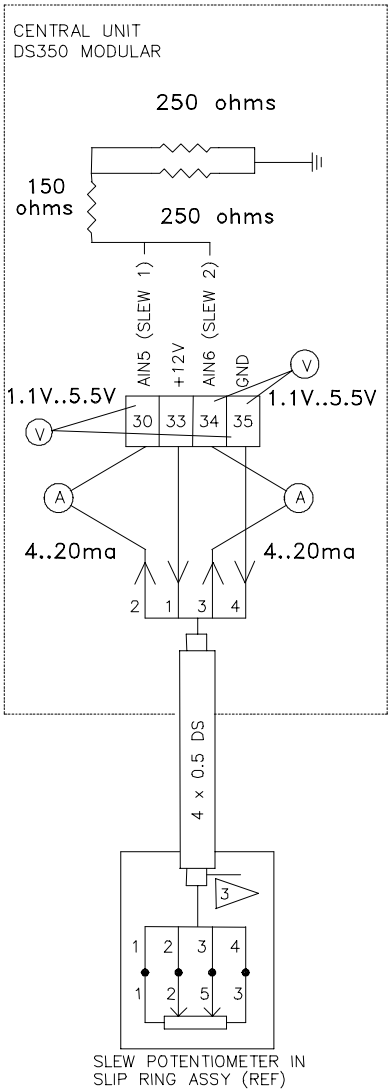
THEORY - OPERATION OF SLEW POTENTIOMETER SENSOR

Measuring current:

The ammeter Ⓐ is used to measure current at the slew angle input signal. Remove the wire from X1:30 (slew signal 1) in the central unit and measure the current with the ammeter in series. And then measure current at terminal X1:34 (slew signal 2). The measurement should be between 4..20mA.

Measuring voltage:

The voltmeter is Ⓥ used to measure voltage between pins X1:30 (slew signal 1) and X1:35 (gnd) and between pins X1:34 (slew signal 2) and X1:35 (gnd) on the main board (024-352-300-001 / 9333103287). The resistors are there to show that at 4mA the voltage is 1.1V because current multiplied with resistance equals voltage; therefore, 4mA x 275 ohms (total resistance) = 1.1V.