



THEORY OF OPERATION

µC selects Sensor utilizing the mux.
µC reads selected data with ranges given for sensor
Data input is _always_ 0.4:2 [V]
If data is out of range = ERROR
Should simply the process as all data is in
same range, which allows the use of a single ADC
and the only data interpretation is handled in the µC-unit

4-20mA ADC converter
capable of handling sensor units
each running a 3-wire setup.

Requirements for measurements:
Min resolution: 320µA / [measUNIT]

Time from Read Request
to ADC Data ready:
800 ms