Sensor Connector Cable Circuit Board Analog In Section

Heater = 10 - 2000 Ohm Typical

Vin + Red

VS+ Orange

Vin - Black

Vs- Yellow

ADC_RAWCHAN7+ / for Cable 2

AVRO (+) 5 V Typical

Adjustable Voltage regulator output 1.5 to 9 V dc

Vin = (+V7-V7)/21 = 0.24 V typical

Ground =0V

ADC_RAWCHAN7- / for Cable 2

(-) Ref Shared to TC and TP (-)

Thermo TC or TP -.100 to +.100 mV typical A to D Input Conv. Chip

R = 20K

R = 2K

R = 1K

A to D Input Conv. Chip

Max Input !

= +2.5 to -2.5V

Common Mode Range Specs, Input protection. Max. Excess Damages to input! Readings are not converted and = 0.

(-) Ref Shared to TC and TP (-)

Thermopile circuit behind Heater, Thermocouple circuit above and below heater.

2 Connectors EXQC Extension

Cable - Connector Umbilical 28 Fem

Cable - Connector Umbilical 28 Male