Datalogger Wiring

Home Interior Sampling Suite | Indoor Air Quality (2015)

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| **Device** | **Channel** | **Color** | **CR3000** |
| Thermocouple (Type K) | Temperature signal (+) | yellow | DIFF 6 H |
| Temperature signal (-) | red | DIFF 6 L |
| Area aerosol monitor  (DustTrak II; TSI) | PM signal | orange | DIFF 7 H |
| PM reference | brown | DIFF 7 L |
| shield | black | *earth* |
| Air quality monitor  (DC 1100; Dylos) | data receive | ~~white~~ brown | C7 = Com4 Tx |
| data transmit | ~~brown~~ white | C8 = Com4 Rx |
| data ground | yellow | G |
| shield | bare | G |
| ~~CO~~~~2~~~~/H~~~~2~~~~O analyzer~~  ~~(LI-840A; LI-COR)~~ | ~~data receive~~ |  |  |
| ~~data transmit~~ |  |  |
| ~~data ground~~ |  |  |
| ~~shield~~ |  |  |
| O3 analyzer  (Model 205; 2B Tech) | data receive | white | C5 = Com3 Tx |
| data transmit | brown | C6 = Com3 Rx |
| data ground | yellow | G |
| shield | bare | G |
| NO2/NO/NOX analyzer  (Model 405 nm; 2B Tech) | data receive | - | ComRS232  *requires null*  *modem cable* |
| data transmit | - |
| data ground | - |
| shield | - |
| CH4/CO2/H2O analyzer  (UGGA; LGR)  *requires null modem cable* | data receive | white | C3 = Com2 Tx |
| data transmit | brown | C4 = Com2 Rx |
| data ground | yellow | G |
| shield | bare | G |
| CO/NO/O3 sensors  (B4-series; Alphasense) | CO signal | green | DF 1 H |
| CO reference | green/white | DF 1 L |
| NO signal | blue | DF 2 H |
| NO reference | blue/white | DF 2 L |
| O3 signal | brown | DF 3 H |
| O3 reference | brown/white | DF 3 L |
| power | orange | 5V |
| ground | orange/white | G |