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**Connection Diagram of Submersible & Inline / Sanitary Galvanic  
Dissolved Oxygen Sensors to ASTI 3TX-DO Dissolved Oxygen Transmitters**

**SUBMERSIBLE SENSOR COLOR CODING**

| ASTI Cable Color Coding | Instrument Terminal Value | 3TX-DO Terminal Number |
|-------------------------|---------------------------|------------------------|
| Blue                    | (-) mV Signal             | 1                      |
| Brown                   | (+) mV Signal             | 2                      |
| N/A                     | No Connection             | 3                      |
| Beige                   | Pt100 / Pt1000            | 4                      |
| Black                   | Pt100 / Pt1000            | 5                      |

**INLINE / SANITARY SENSOR COLOR CODING**

| ASTI Cable Color Coding | Instrument Terminal Value | 3TX-DO Terminal Number |
|-------------------------|---------------------------|------------------------|
| Blue                    | (-) mV Signal             | 1                      |
| Black                   | (+) mV Signal             | 2                      |
| N/A                     | No Connection             | 3                      |
| White                   | Pt100 / Pt1000            | 4                      |
| Brown                   | Pt100 / Pt1000            | 5                      |

**Note 1:** Depending upon the TC ordered it may be necessary to change the parameter 03 from Pt100 (default) to Pt1000 (selectable). The wiring is identical whether Pt100/Pt1000 are used.

**Note 2:** Mating galvanic dissolved oxygen sensor connected to the 3TX-DO transmitter must have internal temperature compensation. The temperature procured from the Pt100/Pt1000 element is only for measurement of temperature, calibration of the sensor and computation of the percent (%) saturation.

**Note 3:** Cable can be bridged across any ordinary suitable terminal strip in NEMA enclosure and sealing cable glands (max 330 feet). See relevant sensor manual and/or inquire to factory.