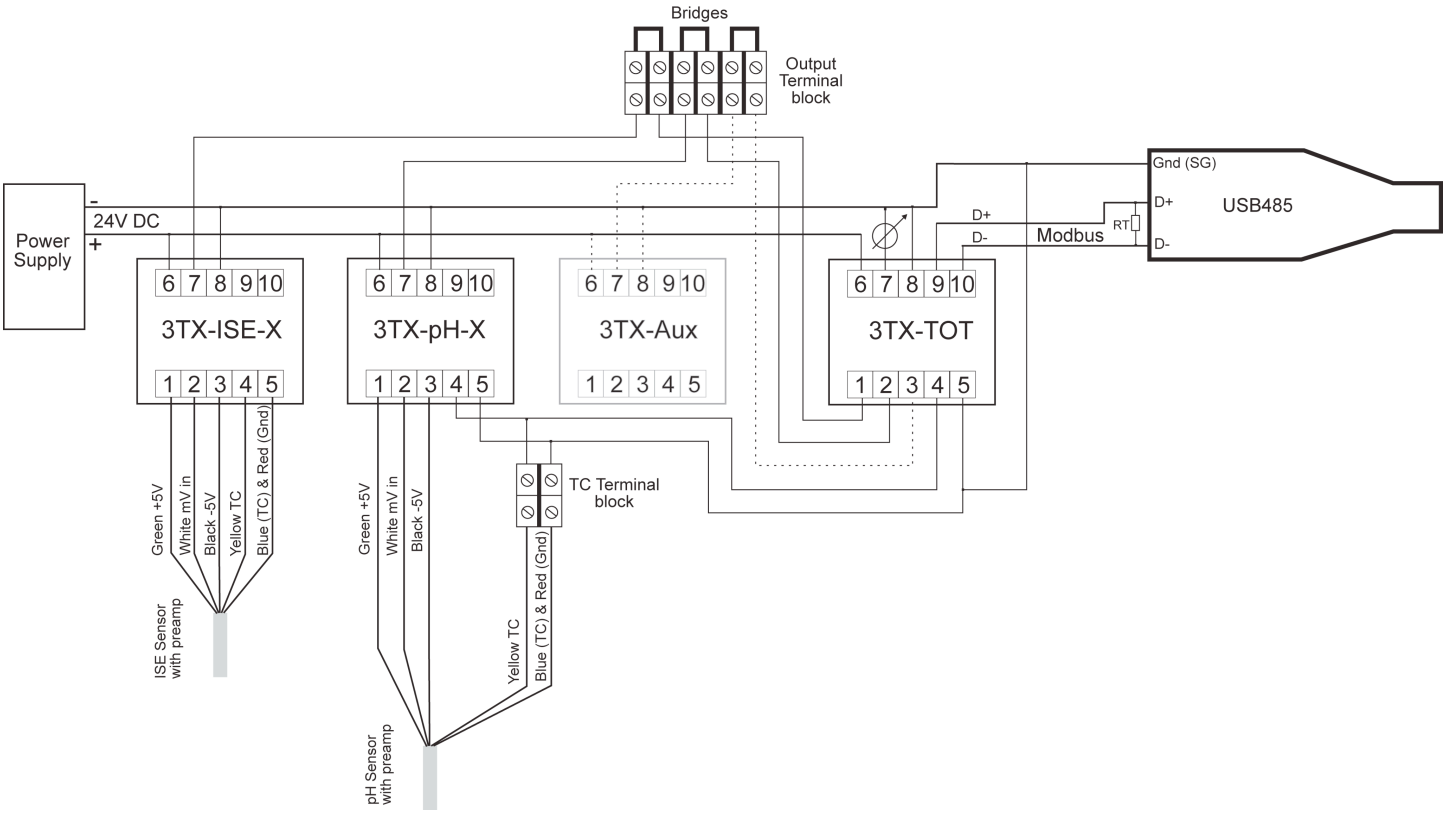
3TX-TOT Wiring Supplement for Approach 1 Spliced Pt100 Pt1000 TC Input when using pH & ISE Sensors with Integral Preamplifiers



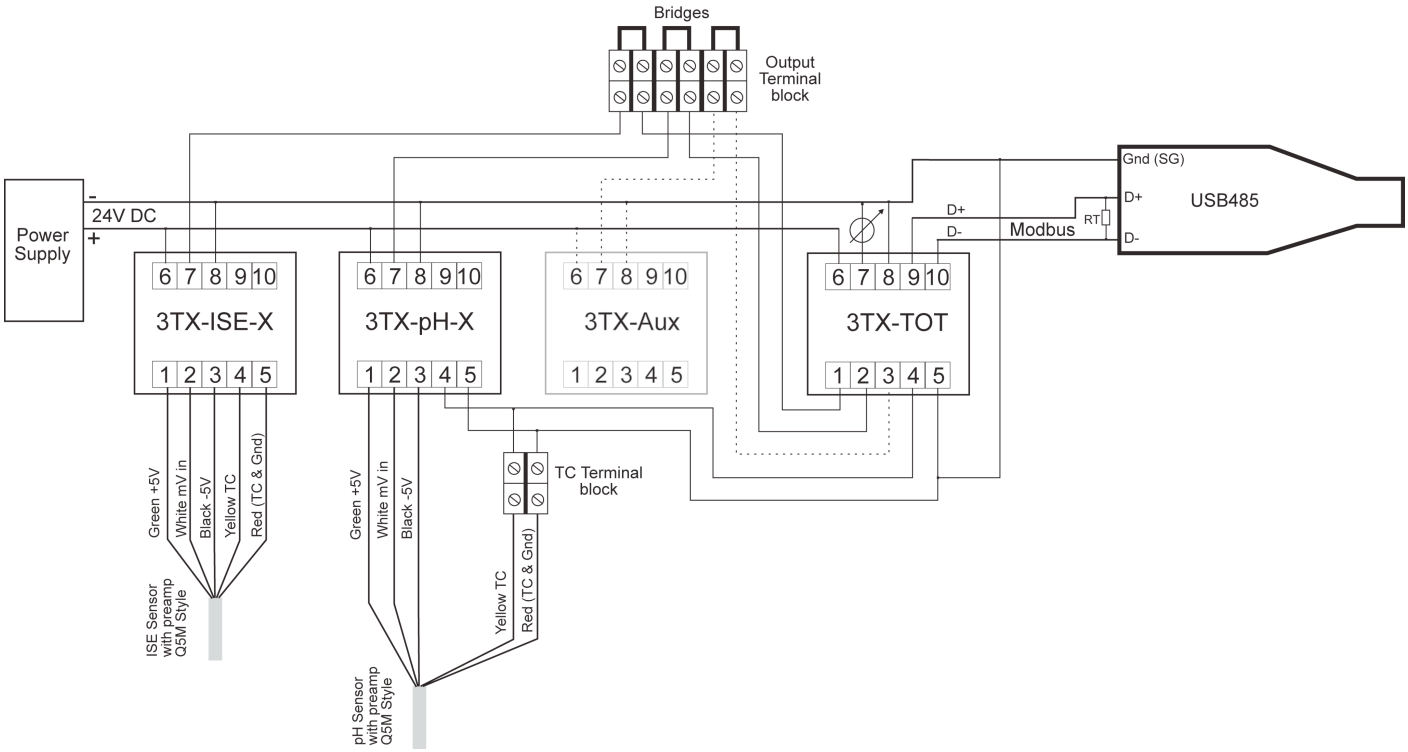
Note 1: The 3TX-pH transmitter can be used for either pH or ORP measurement and wiring connections are the same for both pH and ORP sensors (only the Parameter No. 03 needs to be changed/toggled to select between the two input types). For ORP sensors select mV as the input type in P03.

Note 2: For 3TX-ISE the ion measurement type (ammonium, fluoride, nitrate, calcium..etc) must be defined at time of purchase an cannot be changed after receipt of transmitter (see label on 3TX-ISE for which ion measurement type is supported for that given unit).

Note 3: Depending upon the TC ordered it may be necessary to change the parameter 04 from Pt1000 (default) to Pt100 (selectable). The wiring is identical whether Pt100/Pt1000 are used.

Note 4: Mating pH/ORP/ISE sensor must have the appropriate type of preamplifier integrated inside the sensor or using an external preamplifier in a waterproof J-Box to interface with the 3TX-pH-X or 3TX-ISE-X transmitter. These 3TX-pH-X & 3TX-ISE-X are different hardware from the 3TX-pH and 3TX-ISE transmitter that can directly interface pH/ORP/ISE sensors WITHOUT preamplifiers. The software and functionality is identical for both types of 3TX transmitter; the only difference is whether the sensor to interface must or must not have a preamplifier. The maximum recommended cable length for sensors with preamplifiers is 300 feet (in conduit).

3TX-TOT Wiring Supplement for Approach 1 Spliced Pt100 Pt1000 TC Input for pH & ISE Sensors with Integral Preamplifiers & Q5M/Q5F Quick Disconnect



*** The second side of TC is tied together with the common/reference signal inside the sensor when the Q5M & Q5F connector are used and so only the red wire need to wired to terminal 5.**

Note 1: The 3TX-pH-X transmitter can be used for pH or ORP (simply toggle P03 between pH & mV modes). The wiring connections are exactly the same for both pH and ORP sensors.

Note 2: For 3TX-ISE-X the ion measurement type (ammonium, fluoride, nitrate, calcium..etc) must be defined at time of purchase an cannot be changed after receipt of transmitter (see label on 3TX-ISE-X for which ion measurement type is supported for that given unit).

Note 3: Depending upon the TC ordered it may be necessary to change the parameter 04 from Pt1000 (default) to Pt100 (selectable). The wiring is identical whether Pt100/Pt1000 are used.

Note 4: Mating pH/ORP/ISE sensor must have the appropriate type of preamplifier integrated inside sensor and Q5M/Q5F quick disconnect terminations to interface with the 3TX-pH-X or 3TX-ISE-X transmitter with the wiring prescibed above. The preamplifier compatible 3TX-pH-X & 3TX-ISE-X type transmitters are different hardware from the 3TX-pH and 3TX-ISE transmitter that can rather only interface pH/ORP/ISE sensors WITHOUT preamplifiers. The software and functionality is identical for both types of 3TX transmitters with the only difference being whether the sensor to interface must or must not have an integral preamplifier. The maximum recommended cable length for sensors with preamplifiers is 300 feet (in conduit).