



Connection Diagram of Iotron™ Sensors with Preamplifiers to Rosemount XMT pH/ORP Analyzers

Connection from Iotron™ Sensor to Terminal Block in Rosemount Transmitter

| <u>Iotron™</u> <u>Cable Color Coding</u> | <u>Rosemount</u> <u>Instrument Terminal Name</u> | <u>Mettler Toledo</u> <u>Terminal Number</u> |
|---|---|---|
| Purple | TC Return | 1 |
| Blue | TC Sense | 2 |
| Yellow | TC Input | 3 |
| Red | Reference | 5 |
| Red | Reference (Solution Ground) | 6 |
| White | mV (Signal) In | 8 |
| Black | Power (- 5V) | 9 |
| Green | Power (+ 5V) | 10 |

Note 1: The temperature compensator is 100 Ohm Pt RTD

Note 2: Set Jumper to External Preamplifier Setting

Note 3: The preamplifier does not support reference diagnostic features.