



Wiring Guide pH and ORP Sensors

N133-54 R5

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11

Differential Probes with AM-2252

P60R5

P60R8

R60R5

R60R8

Power -3VDC (18)

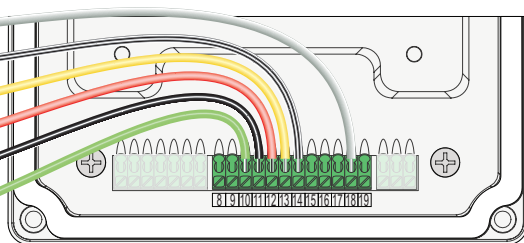
Shield (14)

Temperature (13)

Process + (12)

Ground (11)

Process - (10)



AM-2252 Controller. Input Channel 1

Power -3VDC (7)

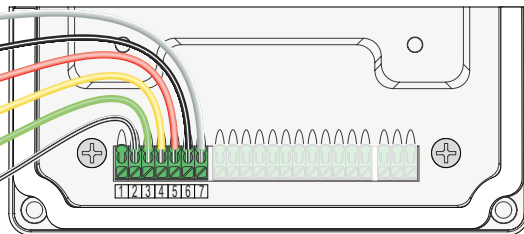
Ground (6)

Process + (5)

Temperature (4)

Process - (3)

Shield (2)



AM-2252 Controller. Input Channel 2

Differential Probes with AM-2250

P60R5

P60R8

R60R5

R60R8

Power -3VDC (18)

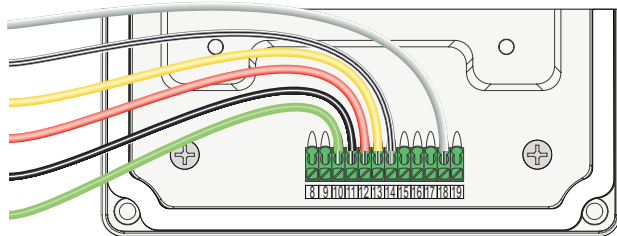
Shield (14)

Temperature (13)

Process + (12)

Ground (11)

Process - (10)



AM-2250 Controller. Sold after 2021

Temperature (9)

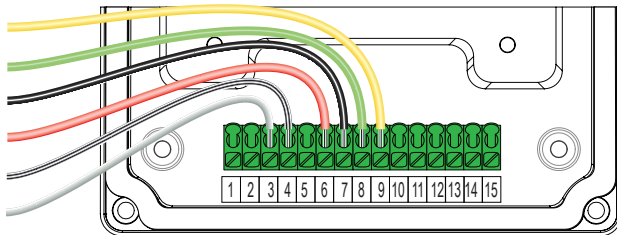
Process - (8)

Ground (7)

Process + (6)

Shield (4)

Power -3 VDC (3)



AM-2250 Controller. Sold before 2021

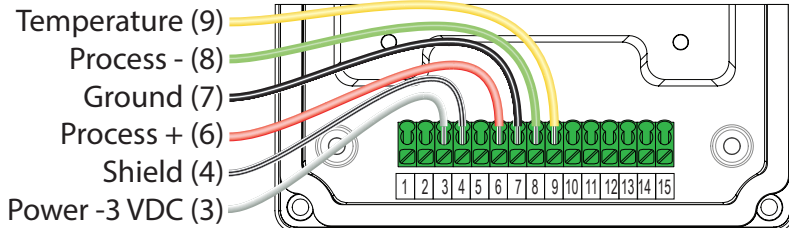
Differential Probes with AM-2250TX & AM-2251

P60R5

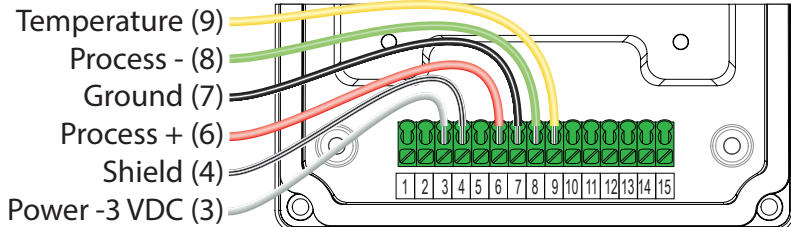
P60R8

R60R5

R60R8



AM-2250 TX Transmitter



AM-2251 Controller

Combination Probes with AM-2252

P575T1

P585T1

R575T1

R585T1

Customer supplied

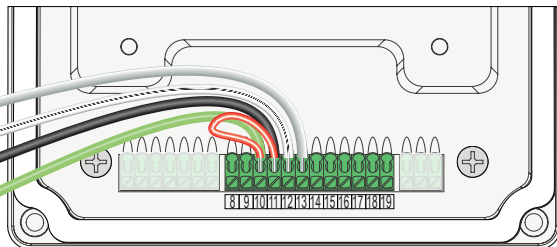
Wire(10-11)

Temp (13)

pH/ORP (12)

REF (11)

Temp (10)



AM-2252 Controller. Input Channel 1

Customer supplied

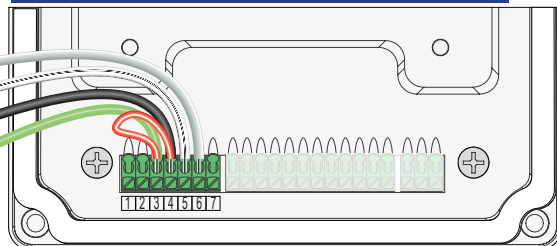
Wire (3-4)

Temp (6)

pH/ORP (5)

Ref (4)

Temp (3)



AM-2252 Controller. Input Channel 2

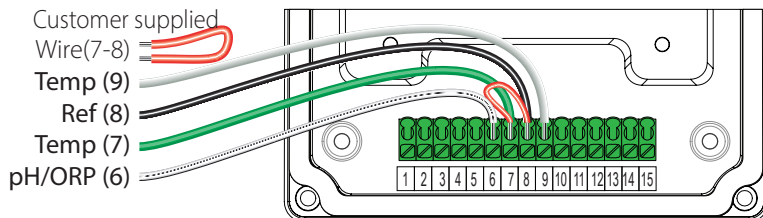
Combination Probes with AM-2250

P575T1

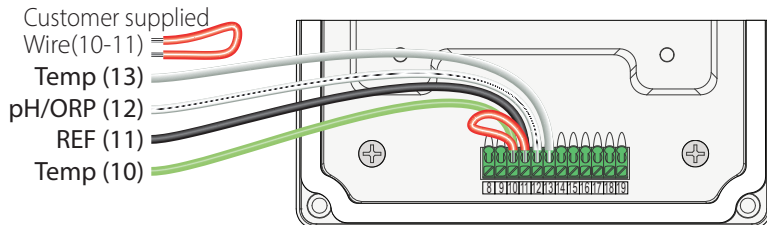
P585T1

R575T1

R585T1



AM-2250 Controller. Sold before 2021

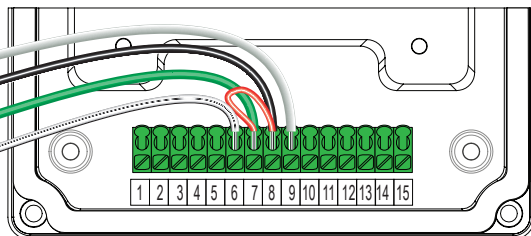


AM-2250 Controller. Sold after 2021

Combination Probes with AM-2251 & AM-2250TX

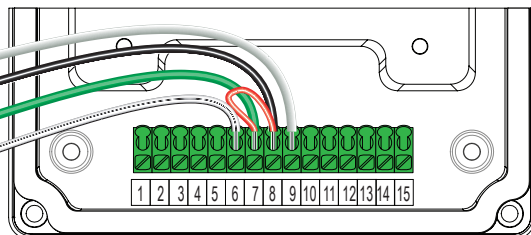
P575T1
P585T1
R575T1
R585T1

Customer supplied
Wire(7-8)
Temp (9)
Ref (8)
Temp (7)
pH/ORP (6)



AM-2251 Controller

Customer supplied
Wire(7-8)
Temp (9)
Ref (8)
Temp (7)
pH/ORP (6)



AM-2250 TX Transmitter

4-20 mA Differential Probes with AM-2300

P65R5

P65R8

R65R5

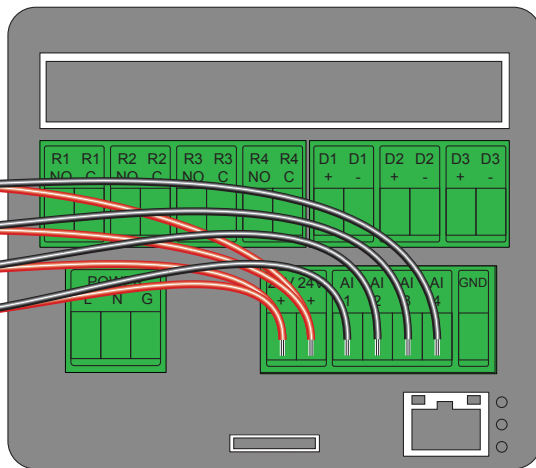
R65R8

Sensor #4

Sensor #3

Sensor #2

Sensor #1



* Note: a 4-20mA signal isolator may be required to eliminate ground loops.

AM-2300 Controller

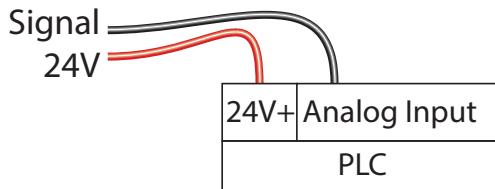
4-20 mA Differential Probes with PLC's

P65R5

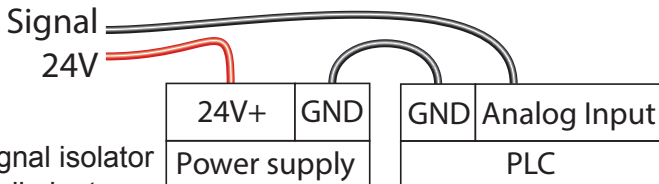
P65R8

R65R5

R65R8



Current Sourcing PLC



* Note: a 4-20mA signal isolator may be required to eliminate ground loops.

Current Sinking PLC

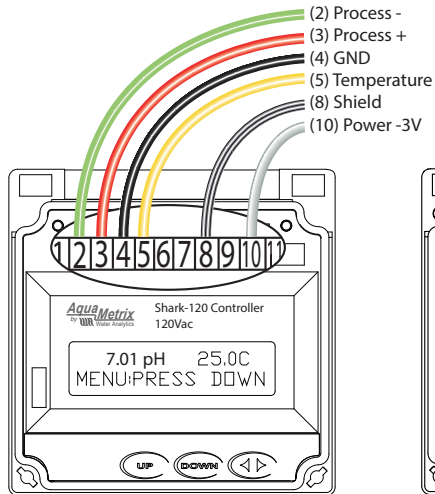
Differential Probes with Shark & Shark-TX

P60R5

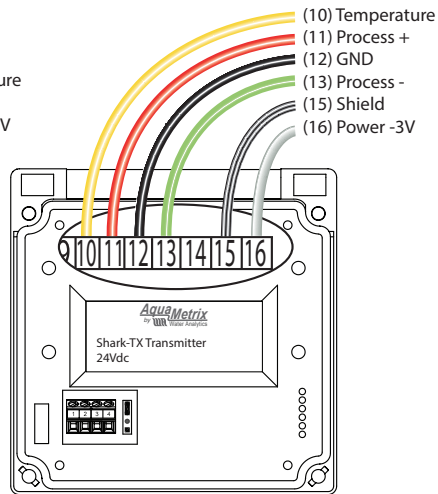
P60R8

R60R5

R60R8



Shark-120 Controller



Shark-TX Transmitter



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