Sydney Univ_2kW Fuel Cell Test Station_241008

Main Power 220VAC, 3P, 50A

AC-Impedance: 7Ch(NI PXI)
~~CVM: 24Ch~~

Spare:
- Pneumatic Valve(1/4" 3/8",1/2" each 3ea), Sol Valve ¼" 3/8"
- Cooling Pump(Humidifier 1ea, Stack 1ea),
- BP Control Valve (Anode & Cathode each 1ea)
- Humidifier Heater(Anode & Cathode each 1ea)
- Line Heater(Anode& Cathode each 1ea)
- Pressure Sensor(3ea), T/C(3ea)
- Manual Valves, SUS Unions & SUS Flexible tubes(1/4"& 3/8", ½")
- PCB Boards(Autofill, Auto Drain)

T/C | Pressure Senor | Dew Point Senor

Chiller

DC Electronic Load
2.4KW(150V/480A)
KIKUSUI 1205 x2ea

H2 | N2 | O2 | Air

Pneumatic V/V
MFC
40 slpm
40 slpm
40 slpm
20 slpm
140 slpm

Sol Manifold

1/2" SUS Tube

3/8" SUS Tube

Bypass
Line Heater
Anode Humidifier
Heat Exchanger
Cooling Pump
Drain

Dew Point Sensor
Anode 3/8" SUS Tube

Stack

Cathode Vent 1/2" SUS Tube
Heat Exchanger
Water Trap
Cathode Auto Back Pressure Control
Burkert2875
Bypass
Cathode Vent

Anode Auto Back Pressure Control
Burkert2873
Bypass
Anode Vent
Heat Exchanger
Water Trap
Anode Vent 3/8" SUS Tube

Bypass
Line Heater
Cathode 1/2" SUS Tube
Cathode Humidifier
Heat Exchanger
Cooling Pump

Stack Cooling & Heating
Flow Meter
Conductivity Meter
RPM Control Pump
Level Sensor (Auto Drain)
Heat Exchanger
Cooling Pump
24V Drain Pump

DI Water
Auto Fill Pump

Water Drain

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