



SOC-100 HDR

FACILITY REQUIREMENTS

1. AC Power: Two 15 amp 120VAC circuits to support the SOC-100, The Thermo-Fischer iS-50 FTIR and the Computer.
2. Source cooling water: room temperature, 0.5 GPM filtered to 50 micron particulate. Two ¼" compression fittings at the rear of the SOC-100.
3. Purge Gas: 0.5 – 1.0 SCFM inert dry Nitrogen or Clean Dry Air. ¼" quick connect fittings at the rear of FTIR and SOC-100.¹
4. Bench space: 8' of bench space, min 30" depth to allow for iS-50- FTIR, SOC-100, temperature controller and computer.

¹ Note: SOC-100 needs a constant source of clean, room temperature water at a minimum flow rate of .5 – 1.0 GPM. We recommend the water be Deionized and filtered to a 50 micron limit. The filtration is as important as flow rates. The Water Switch interlock and design of bidirectional reflectometers.