
OpIRSC: Operando Infrared Spectroscopy Cell.
Compatible with Pike DiffusIR Accessory
Overall dimensions: 7.48" x 2.00" x 1.52".
Operating temperatures: 25°C – 80°C
Fuel cell housing slider and compression plate: Aluminum
Top and bottom flow fields: graphite.
Gasket material: Fiberglass coated with PTFE®.
Cell heaters: Two 15 watt heater cartridges.
Reactant streams enter and exits cell via 4 stainless steel 1/16" NPT ports.
Flow field connection to the housing slider: Delrin adapters.
Temperature probe: Four-wire ceramic RTD.
IR beam window 1” x 0.125” disk CaF₂ window (inserts into the upper flow field).

OpIRSC-C: Operando Infrared Spectroscopy Cell with cooling manifold
Compatible with Pike DiffusIR Accessory
Overall dimensions: 7.48” x 2.00” x 1.52”.
Operating temperatures: 25°C – 80°C
Fuel cell housing slider and compression plate: Aluminum
Top and bottom flow fields: graphite.
Gasket material: Fiberglass coated with PTFE®.
Cell heaters: Two 15 watt heater cartridges.
Reactant streams enter and exit cell via 4 stainless steel 1/16” NPT ports.
Cooling fluid enters and exits 2 stainless steel 1/16” NPT ports that deliver to 1/8” tubular flow channels.
Flow field connection to the housing slider: Delrin adapters.
Temperature probe: Four-wire ceramic RTD.
IR beam window 1” x 0.125” disk CaF₂ window (inserts into the upper flow field).