



NuVant Systems, Inc. OpIRSC series fuel cell.

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).