**Electro Optical Components, Inc.**
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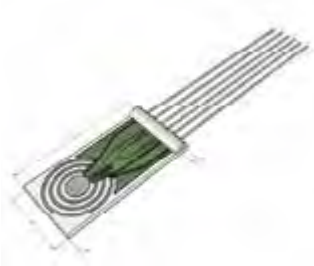
# Supplier and Partner for Sensors and Modules

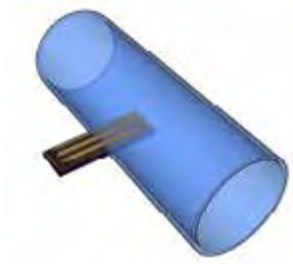
## Temperature Sensors

- Smallest platinum temperature sensor in the world 0.5mm x 3.5mm
- 50–10.000 Ω ohm.
- Class A F0.15 valid in the -200 – +600°C range
- We attach any wire & length directly to the sensor.
- Only platinum temperature sensor in the world ESCC (EU Space Components) certified.



## Conductivity Sensors

- Custom electrode design
- Wide measurement range (10 µS/cm to 200 µS/cm)
- Chip design with high temperature stability of cell constants
- Glass and ceramic substrates ideal for medical applications



## Flow Sensors

- Wide measuring range 0.01 m/s – 100 m/s (+/- 1% accuracy), up to 400 °C
- Ultra fast response (5 ms)
- No moving mechanical parts, no contact between sensor and liquid
- Customizable modules (design-in support) with electronics

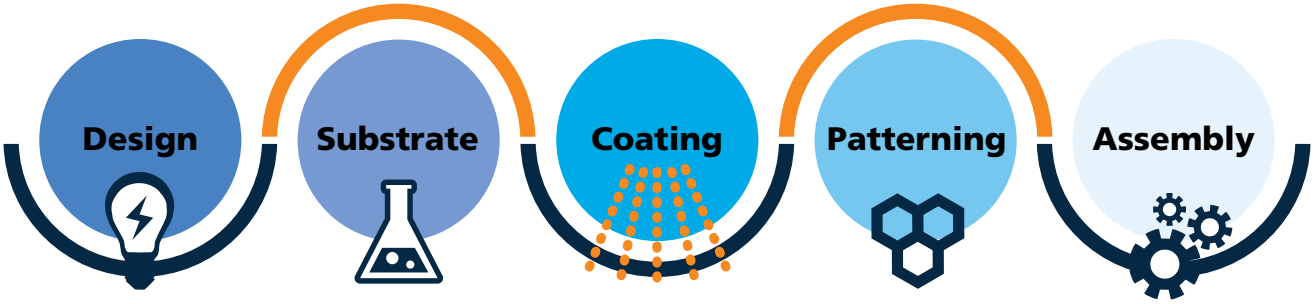
## Humidity Sensors & Modules

- High humidity stability and condensation resistant because of our proprietary polymer design
- Pre-calibrated with high accuracy, < +/- 0.5% RH (in range 0% to 30% RH )
- Very fast response time 0.3 s
- Low hysteresis and long-term stability
- Coming soon modules for operating temperatures down to -80°C

EOC offers a fast design-in-process and ideal sensor operation conditions for the development of your application. There is a broad choice of materials, technologies, size, form and capabilities of these sensors. Let us help you find the right ingredients to build the ideal sensor to suit your application.

## Innovative Sensor Technology

Custom designs for all your applications. Speed up your product design phase by designing application-specific sensor components pre-assembled for easy system integration. Our experts will help you find the right sensor solution to fit your requirements.




| Design | Substrate | Coating | Patterning | Assembly |
|---|---|---|---|---|
| Concept | Alumina • Zirconia | Metal thick film (Pt, Ag, Au & alloys) | Photolithography | Dicing • Bonding |
| Material choice | Sapphire • Steel | Dielectric thick film (glass or organic polymers) | Laser trimming | Glass coating |
| Technology choice | Copper • Polymide | Metal thin film (Pt, Rh, Ti, Ni, Cr, Ag, Au, Al, W, Mo & alloys) | Dry and wet etching | Soldering |
| Design of layout | Aluminum nitride | Dielectric thin film (SiO2, Si3N4, Ta205, polymide) | | Electric final testing |
| | Silicon wafer | | | Optical final testing |
| | Glass | | | Packaging |
| | | | | Additional assembly |

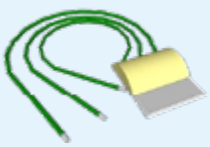
### Offering custom sensor solutions for every application.

Metallized backside (M)

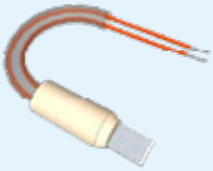
Invert welded & bent wires (U)

Direct welded insulated wires

Extended 2- to 4- wires



Shrink Tube



Connectors