

SCHEMATIC LAYOUT OF AN OPTICAL CURRENT SENSOR

A **fiber optic current sensor (FOCS)** is a sensor meant for measuring direct current.

It is based on magneto-optic Faraday effect: two circular polarizations are launched through the coil of the sensing fiber wound around the current conductor; the phase shift between these two polarizations is directly proportional to the DC current to measure.

See how iXblue PM, Polarizing and Spun Fibers, as well as Modulators can help you build a robust and long-term reliable FOCS.



Tiger design E-Core design

The beat length temperature dependence of an elliptical core fiber is lower than those of Tiger, Panda or Bow-Tie designs

