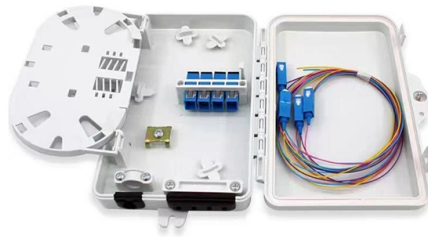


Fiber Optic Sensors and Motors



Overview

A fiber-optic sensor is a sensor that uses optical fiber either as the sensing element ("intrinsic sensors"), or as a means of relaying signals from a remote sensor to the electronics that process the signals ("extrinsic sensors"). Fibers have many uses in remote sensing. Depending on the application, fiber may be used because of its small size, or because no electrical power is needed at th. Intrinsic sensorsOptical fibers can be used as sensors to measure, , and other quantities by modifying a fiber so that the quantity to be measured modulates the,,, or transit time. Extrinsic fiber-optic sensors use an, normally a one, to transmit light from either a non-fiber optical sensor, or an electronic sensor connected to an optical transmitter. A major benefit of e.



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Website: <https://moletenare-ew.co.za>

Email: info@moletenare-ew.co.za

Phone: +86 138 1658 3346

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