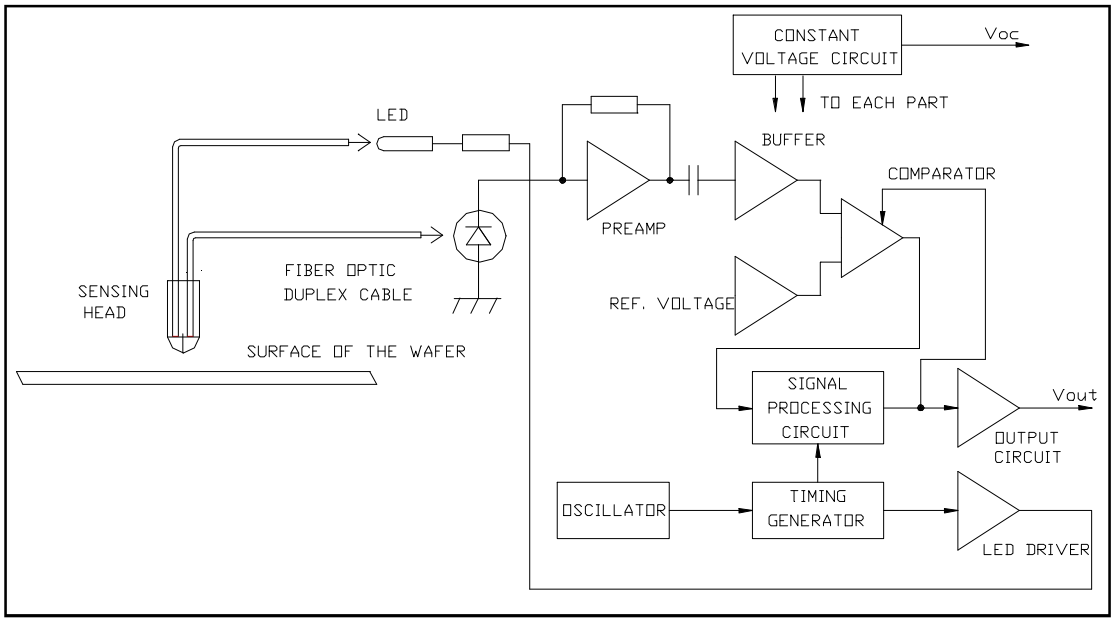
FOS-S Precise Fiber Optic Proximity Switch

Non-contact micron accuracy reflective proximity switch first in semiconductor industry developed to detect the position of both side of the wafers surfaces during any inspection procedures. Fiber optic proximity switch determine the basic position of any sensing and inspection tools relative to the inspected surface with micron accuracy such as: laser displacement sensors, Eddy current, capacitive and contact resistance measurement probes, laser confocal sensors and atomic force probes.

Technical Parameters

- Detection distance from the sensing surface: 200 ÷ 600 µm
- Repeatable accuracy of detection presence of the wafer surface at the sensing distance – 1 µm.
- Diameter of the fiber optic core – 1000 nm
- Length of fiber optic duplex cable – up to 5 feet.
- Single source power supply: +5 ÷ 12 v.
- Wavelength of led – 940 nm.



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