LIQUID EYE

OPTICAL LIQUID DETECTOR

FEATURES AND BENEFITS

- prevent air from entering a process
- prevent loss of prime in a dispenser
- reduce waste and downtime in a process
- alarm before non-compliant product is manufactured
- prevent air from entering a process
- detection of optical properties changing in a fluid

liquid eye system
19.9cm x 17.8cm x 10.2cm

TYPICAL APPLICATIONS

- diagnostic reagent striping
- contact lens manufacturing
- critical electronic applications
- form fill a seal applications
- bottle and vial filling
- sterile filling
- syringe filling
- general industrial applications
- and many more

liquid eye sensors

liquid eye sensors

IVEK's Liquid Eye provides for detection of liquid or air inside translucent tubing for critical dispensing applications. The system consists of a detector and a controller. The controller includes solid-state electronics and optics for maximum reliability. The system is based on a principle of high frequency, multipath reflection, and it is insensitive to background light intensity. The detectors are available in standard size tubing from 3.0mm (0.125") up to 16.10mm (0.625") with custom sizes available. The detection circuitry has front panel gain and intensity adjustments for tailoring the sensitivity to accommodate a wide range of fluids, including clear, colored or turbid solutions and some slurries. The system operates in a "continuous" mode where the alarm is active during the time air is present in the tube. Through a simple toggle switch this mode can be changed to "latch" the alarm, which requires the system to be manually reset to turn off the alarm. The alarm signal can be made audible through an additional toggle switch for this feature. The output is a Contact Closure signal that has a terminal block for connection.

ISO 9001 CERTIFIED
ISO 13485 CERTIFIED