

TruDO Optical Dissolved Oxygen Sensors

TruDO® Optical probes solve the problems associated with traditional DO sensors i.e., midrun sensor failure, polarization, leaking electrolyte, broken or poisoned cathodes. The TruDO Optical sensor has one replaceable part, the sensor cap. Unlike a traditional DO sensor, the TruDO sensor cap needs to be replaced very infrequently (every 6 months or so). In side by side tests the sensor tracks traditional DO probes without the need for membrane replacement after every run or two. In addition the probe can be kept in the reactor without maintenance before CIP and left dry without any adverse effects.



Features

- CIP, SIP autoclave compatible optical dissolved oxygen sensor
- Equal or better performance than traditional DO sensors
- Pressure and damage resistant membrane – up to 12 bar
- Compatible with existing DO transmitters
- 4 ppb to 300% saturation range

Plug and Play

TruDO Optical 12mm diameter sensors are designed for plug and play replacement of existing polarographic DO sensors.

T82/D4 Cables

Connect your existing DO cable to the TruDO Optical power adapter, attach the TruDO Optical sensor and plug in the power supply. You are ready to go! Follow your normal SOP for calibration and operation.

VP Cables

Connect your existing DO cable to the TruDO Optical sensor, then attached the TruDO power supply to the two unused wires on the VP 6.0 cable to power the sensor, plug in the power supply and you are ready to go!

New DO Loops

No transmitter is required! While the TruDO Optical sensor is designed as a plug and play replacement for traditional polarographic DO sensors it can also be used without a transmitter. The reason is that the transmitter is already built into the sensor saving you the cost of a transmitter for every new installation.

4-20 mA Output

For customers that want a 4 to 20 mA dissolved oxygen signal output, the TruDO Optical sensor provides this when connected to a VP cable and the TruDO 4-20 mA output adapter.



D4/T82 Connection



VP 6.0 Connection

Finesse Solutions, LLC
3350 Scott Blvd, Bldg 1
Santa Clara, CA 95054

Finesse Solutions AG
Via Sogn Gieri 27a
CH-7402 Bonaduz
Switzerland

877-204-8644
www.finesse.com