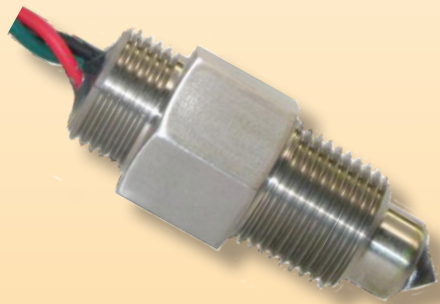


## Optical Level Sensor for Liquids



measuring  
•  
monitoring  
•  
analyzing

TED



- Polysulfone, Stainless Steel, or PFA Body
- Compatible with Most Liquids
- Resistant to Lens Coating
- No Moving Parts
- No Adjustment or Calibration Needed
- Economical

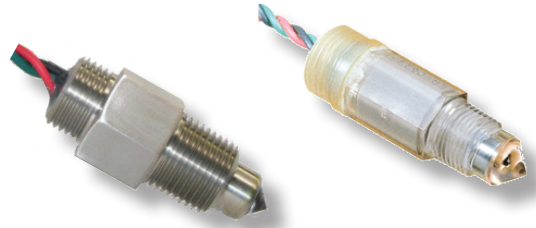


Contact:  
Industrial Process Measurement, Inc.  
3910 Park Avenue, Unit 7  
Edison, NJ 08820  
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support@instrumentation2000.com  
<http://www.instrumentation2000.com>



Description

The KOBOLD TED series electro-optic level switch operates independent of liquid properties, such as: color, viscosity, dielectric constant, conductivity, contamination and temperature. It is compact, self-contained, and is an all solid state design. Reliability and operational consistency is ensured by use of a design that contains no moving or wearing parts. Installation is simple: thread the body into a container, reservoir or pipe. The body is available in polysulfone, stainless steel, or PFA and can accommodate a variety of containers and chemicals. For applications requiring dry contacts or a greater electrical switching capacity, consider pairing the TED with the KOBOLD RL-5901 or RL-5902 power supply/relay module.



Specifications

- Switch Output:** NPN Open-Collector, N/O Dry  
300 mA Max. Load
- Supply Voltage:** 5-35 VDC,  
12 VDC (Model TED-3212)
- Supply Current:** 33 mA (Excluding Load)
- Wire Leads:** 18 inches
- Wetted Parts**
  - Polysulfone:** Polysulfone
  - Stainless Steel:** 303 Stainless Steel, FKM Borosilicate Glass
  - PFA:** PFA
- Maximum Pressure**
  - Polysulfone:** 200 PSIG
  - Stainless Steel:** 400 PSIG
  - PFA:** 200 PSIG
- Process Connection**
  - Polysulfone:** 3/8" NPT
  - Stainless Steel:** 1/2" NPT
  - PFA:** 3/8" NPT
  - Conduit:** 1/2" NPSH (SS and PSU Only)
- Operating Temperature:** -40...230 °F
- Storage Temperature:** -67...257 °F

Order Details (Example: TED-3611)

Material	Supply Voltage	Function	Model
Polysulfone	5-35 VDC	N/O	TED-2511F
303 Stainless Steel	12 VDC	N/O	TED-3212*
303 Stainless Steel	5-35 VDC	N/O	TED-3212A
PFA	5-35 VDC	N/O	TED-3611

\*Available in Limited Quantities.

Operating Principle

