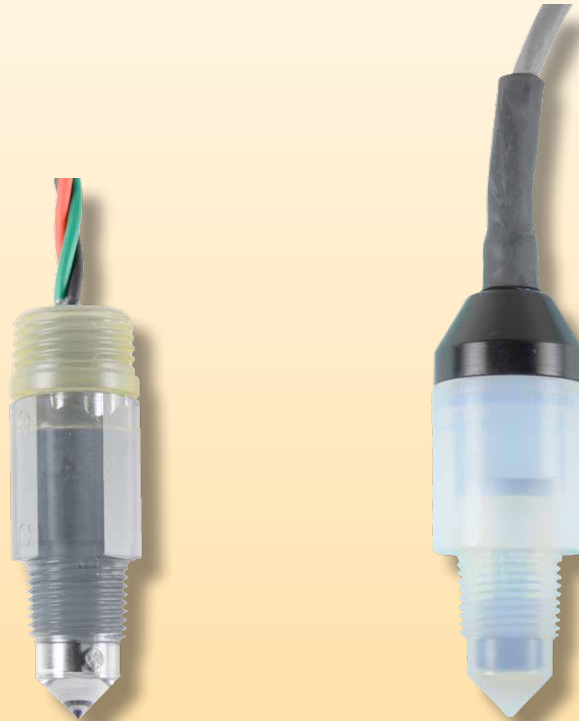


Optical Level Sensor for Liquids



measuring
•
monitoring
•
analyzing

TED



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



KOBOLD companies worldwide:

ARGENTINA, AUSTRALIA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CHILE, CHINA, COLOMBIA, CZECH REPUBLIC, EGYPT, FRANCE, GERMANY, HUNGARY, INDIA, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, REPUBLIC OF KOREA, ROMANIA, SINGAPORE, SPAIN, SWITZERLAND, TAIWAN, THAILAND, TUNISIA, TURKEY, UNITED KINGDOM, USA, VIETNAM

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Description

The KOBOLD TED series electro-optic level switch operates independent of liquid properties, such as: color, viscosity, dielectric constant, density, 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 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-59xx series power supply/relay module.



Specifications

Switch Output: NPN Open-Collector, N/O Dry
300 mA Max. Load

Supply Voltage: 5-35 V_{DC}

Supply Current: 33 mA (Excluding Load)

Wire Leads: 18 inches

Wetted Parts

Polysulfone: Polysulfone
PFA: PFA

Maximum Pressure

Polysulfone: 200 PSIG
PFA: 200 PSIG

Process Connection

Polysulfone: 3/8" NPT
PFA: 3/8" NPT
Conduit: 1/2" NPSH (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 V _{DC}	N/O	TED-2511F
PFA	5-35 V _{DC}	N/O	TED-3611

Operating Principle

