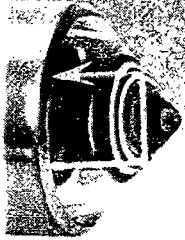


TEDECO pioneered electro-optic sensor technology for accurate and reliable determination of liquid level or presence.

The LevelPro family offers a wide variety of features and sizes to meet the needs of almost every liquid level application.

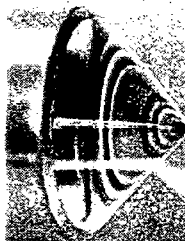
Electro-Optic



LevelPro sensors are solid-state, electro-optic liquid detectors having no moving parts.



IntelliSense LevelPro Series sets a new standard for versatile, reliable and economical fluid sensing. This unique, microprocessor-based sensor virtually eliminates false actuation caused by fluid "sloshing", droplets, vapors or ambient light. A built-in voltage regulator protects the sensor from over-voltage damage in the 5-35 VDC range.



Utilizing the simple physical principle of light refraction through a prism, these sensors reliably and predictably signal the presence of liquid with minimal hysteresis and without the needs for periodic "zeroing" or calibration.

Mini and Modular LevelPro Series are the most compact electro-optic sensors available, offering three input voltage options, four output formats and the widest range of liquid compatibility.



Why Choose LevelPro?

- Widest choice of mounting thread options with port sizes down to 1/4" pipe and 1/2" or 12mm straight thread
- Largest range of input voltage & signal output selection
- Broadest housing and seal material choice
- Highest standard temperature ratings
- Self-contained, compact size
- Modular options for "no-leak" servicing in hazardous or pressurized fluid applications
- Conduit options for flexible mount capability and wiring protection

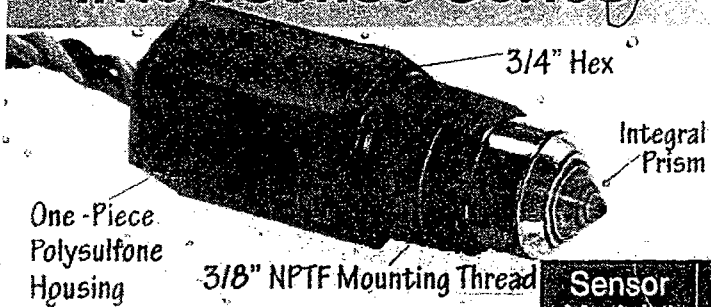
TEDECO is an AS 9000 and ISO-9001 certified company with a long tradition of outstanding reliability and customer support. Take advantage of 50 years of application experience and evaluate LevelPro for all of your fluid sensing applications.

For process control, beverage, fuel, lube, coolant, hydraulic or other liquid level detection challenges, choose the simplicity, ruggedness and reliability of LevelPro.

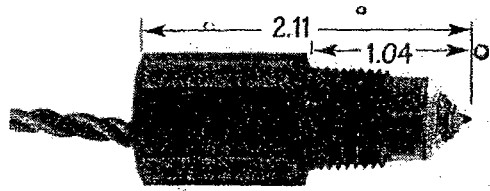
IntelliSense Series

Kit Parts # 73500

LevelPro



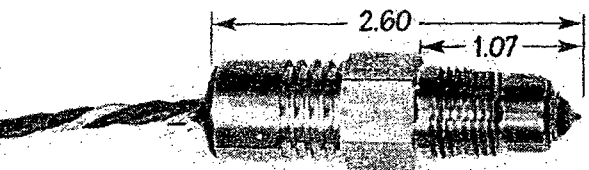
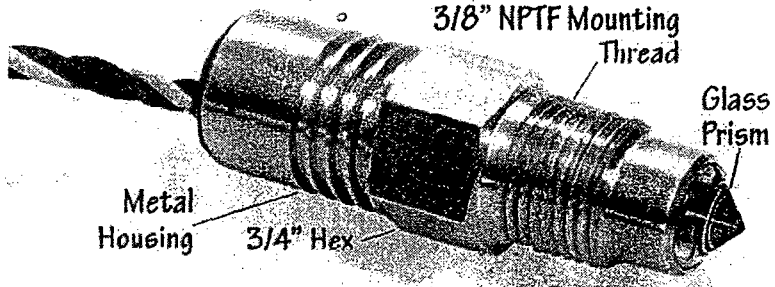
Our smart, versatile, micro-processor based sensor incorporates multiple high end features in an economical one-piece polysulfone housing



3G3283 Series Sensors

Sensor Model #	Signal Output (Green Wire), Prism Tip Immersed in Fluid
3G3283-1	Sink to Common (On in Fluid), 250 mSEC Delayed Response
3G3283-2	Open Drain (Off in Fluid), 250 mSEC Delayed Response
3G3283-3	Sink to Common (On in Fluid), 1 SEC Delayed Response
3G3283-4	Open Drain (Off in Fluid), 1 SEC Delayed Response
3G3283-5	Sink to Common (On in Fluid), 5 SEC Delayed Response
3G3283-6	Open Drain (Off in Fluid), 5 SEC Delayed Response

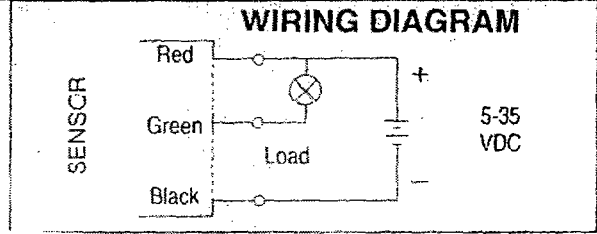
OPTIONAL: ADD SUFFIX "F" TO ANY MODEL NUMBER FOR A 1/2" -14 WIRING CONDUIT FITTING



3G7750 Series Sensors

All LevelPro IntelliSense series sensors meet the following specifications:

- Operating temperature -40° F and +230° F (non-freezing liquids).
- Fluid compatibility is determined by seal and housing material selection.
- Maximum fluid pressure on prism face = 200 P.S.I. @ 70° F for 3G3283 series, 400 P.S.I. @ 70° F for 3G7750 series.
- Maximum load current not to exceed 300 mA including inrush transient @ 70° F.
- 18 AWG polyethylene insulated wires with 18-inch length (red, green, black).
- Self regulated power input 5-35VDC.
- Supply voltage wires (red, black) are reverse polarity protected.
- Output signal (green wire) is open collector transistor, see chart for signal options.

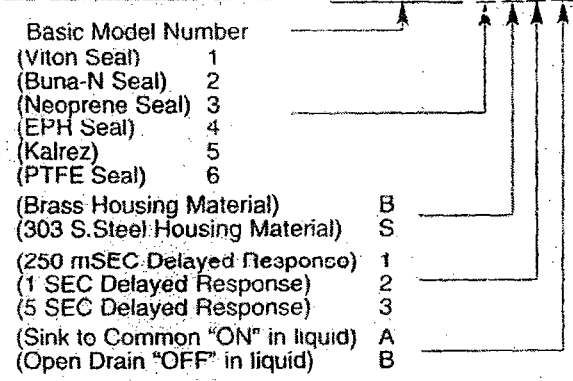


Our 3G7750 series sensors offer the same versatility with the added durability of a stainless steel or brass housing and glass prism

HOW TO ORDER MODEL OPTIONS

LevelPro IntelliSense series sensors are ordered by specifying the basic model and appropriate suffixes.

(Standard Housing) 3G7750-1S1A
 (1/2" -14 Conduit Fitting) 3G7751-4B2B*



Example: 3G7750-1S1A is a Viton Seal, 303 S.Steel Housing, 250 mSEC Delayed Response, Output "ON" in Liquid

To Order Call: TEDECO

Orders: 800.837.0475
 Tech Support: 856.784.3030
 FAX: 856.784.0302
 Web Site: www.tedeco.com

* Special Order-Call factory before specifying

(48) ON KASSEC EQUIPPED UNITS
 (103) ON KDGC-2001 EQUIPPED UNITS
 (48) ON KGM 250 EQUIPPED UNITS
 12 OR 24 VOLTS DC POSITIVE TO PROBE

(RED) TB1

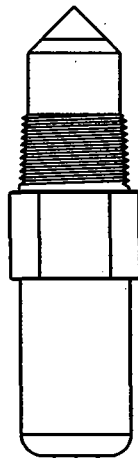
(9) ON KASSEC EQUIPPED UNITS
 (2) ON KDGC-2001 EQUIPPED UNITS
 (9) ON KGM250 EQUIPPED UNITS
 PROBE GROUND

(BLACK) TB1

TB1 (22) ON KASSEC EQUIPPED UNITS W/LOW WATER PARALLELED W/HIGH
 EC (21) ON KASSEC EQUIPPED UNITS W/SEPERATE LOW WATER LEVEL LED
 TB1 (14) ON KDGC-2001 EQUIPPED UNITS
 PLUG # 1 (YELLOW WIRE) ON KGM 250 EQUIPPED UNITS
 GROUND SIGNAL FROM PROBE WHEN IN LOW WATER LEVEL CONDITION

(GREEN)

LOW WATER LEVEL PROBE



KATOLIGHT

MANKATO, MINNESOTA

INSTALLATION DIAGRAM

SIZE	DATE	DWG NO	800-186
A	7-19-2001		
DESCRIPTION	PART #	73500	DWN BY ECG SHEET 1 OF 1

