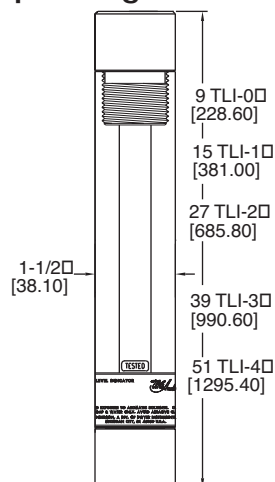




## Series TLI Tank Level Indicator

### Specifications - Installation and Operating Instructions



**Series TLI Tank Level Indicators** provides a visual indication of the height of liquid contained in a tank. The 1/2-foot unit can also be used as a sight flow tub when mounting in a pipeline. The TLI series utilizes a double wall construction to indicate the level of corrosive or ultra-pure liquids. This series should not be used with hydrofluoric acid or sodium hydroxide, as they will etch the Borosilicate tube. The TLI series is available with PVC, Polypropylene, or Teflon® fittings and 1/2 or 3/4 NPT threads. Viton® seals are standard. All units are hydrostatically tested to 400 psi.

**Polypropylene note:** Due to the unstable nature of virgin Polypropylene under pressure, leakage could occur at almost any condition. If leakage occurs, the threaded connection should be properly fillet welded.

#### Stocked Models:

Model Number
TLI-0-1
TLI-2-1
TLI-3-1
TLI-4-1

**Note:** For 3/4 NPT fittings, change the last digit of the model number to 2.

#### OPTIONS

- AT Aluminum Tag
- P Polypropylene Fittings
- T Teflon Fittings

Viton® and Teflon® are registered Trademark of E.I. DuPont Company

©Copyright 2002 Dwyer Instruments, Inc.

Printed in U.S.A. 6/02

FR#83-443160-00 Rev.1

#### PHYSICAL DATA

**Temperature Limit:** 140°F (60°C) PVC, 210°F (100°C) PTFE, 185°F (85°C) Polypropylene.

**Operating Pressure:** 100 psi.

Continuous operation 180°F (82°C).

**Piping Connections:** 1/2 or 3/4 NPT.

**Wetted Materials:** Borosilicate Glass, Fluoroelastomer O-rings, PVC, Polypropylene or PTFE Fittings. Non-wetted Acrylic.

#### INSTALLATION

The Tank Level Indicators are easily installed in a piping system. The device should be installed vertically when used as level indicators. The Indicators can be used as sight flow tubes and mounting horizontally if desired. It is recommended that connections be made to plastic fittings. Male threads should be wrapped with Teflon® tape or other acceptable pipe sealant. Hand-tight plus one-quarter turn is usually adequate for assembly. Do not use pipe wrenches. Direct connection to metal pipe could cut into the plastic and result in future rupture. It is recommended that the indicators be installed to the tank with union ball valves. This will allow easy removal from the piping system for cleaning or inspection. When installed on tank heights greater than 4 feet, a staggered mounting arrangement is recommended to provide an uninterrupted view of the liquid. Do not connect the indicators together with pipe nipples. Two indicators may be used together as a high/low viewing area, as long as the section of pipe between the two is supported.

#### MAINTENANCE

When properly installed the Tank Level Indicators require little or no attention. Periodic maintenance checks should be performed to inspect the outer tube for damage due to outside sources, which could affect the structure integrity of the Indicator. Also the inner tube should be inspected to determine if cleaning is needed. The unit should only be cleaned with products that are compatible with all construction materials, and also with the process being monitored.