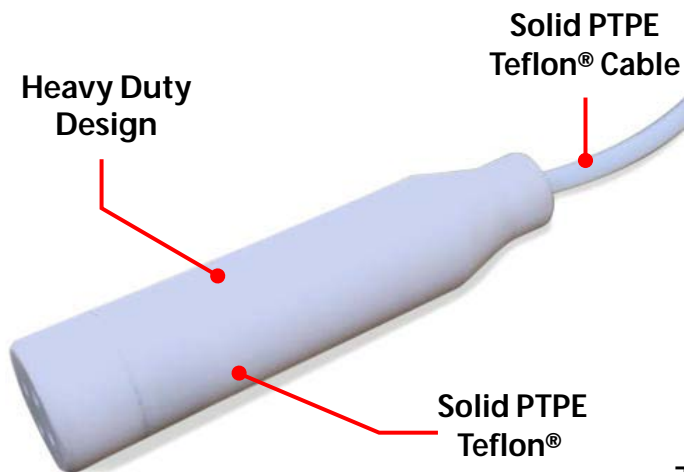




# "Always On The Level"

## Industry's Most Chemical Resistant Level Sensor



## 600 Series

### Industrial Level Transmitter

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### PTPE Teflon® Heavy Duty Plastic Level Transmitter For Corrosive Media

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### Excellent For Tank / Sump Level Measurement

The **600 Series Plastic Pressure Transmitter** is designed for continuous level measurement in the toughest industrial environments.

## Applications

### Sewage



- Leachate - (Witches Brew)
- Sumps or Pits
- Chemical Dosing Holding Tanks

### Aggressive media



- Acids
- Caustics
- Sodium Hypochlorite
- Peroxides

### Pressure Measurement

- ▶ from 0-14 ft / H<sub>2</sub>O up to 54 ft/H<sub>2</sub>O

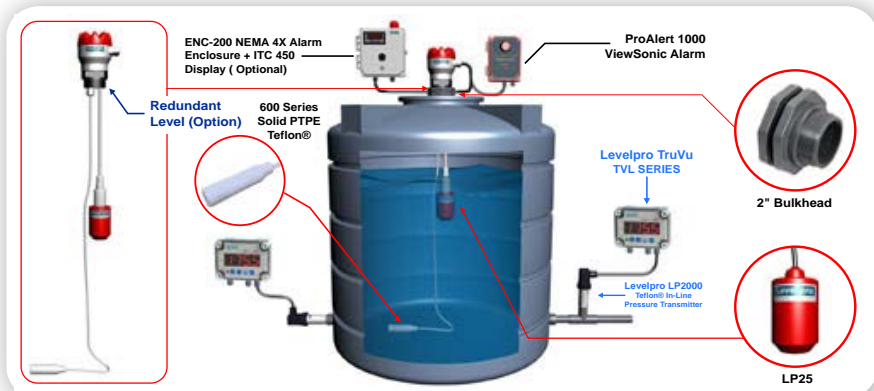
### Output Signal

- ▶ 2 wire: 4-20 mA

### Features

- ▶ Heavy Duty Rugged Design
- ▶ No Moving Parts
- ▶ Designed for Tank Level Measurement of Viscous Liquids
- ▶ High Accuracy
- ▶ Ceramic Sensing Diaphragm
- ▶ Housing Material PTPE Teflon®
- ▶ Great for Foam-Vapor-Turbulence
- ▶ All Plastic Design
- ▶ Small Footprint
- ▶ Solid PTFE Teflon® Cable

- ▶ **Foam, Vapor, Turbulence, Condensate**
- ▶ **No More Level Problems**
- ▶ **No Lost Signals**
- ▶ **No More Issues with Ultrasonic Sensors**





### Input Pressure Range

|              |     |     |      |      |      |      |      |
|--------------|-----|-----|------|------|------|------|------|
| Level ft/H2O |     | 5.4 | 8.36 | 13.4 | 20.0 | 33.5 | 53.6 |
| Overpressure | PSI | 30  | 30   | 60   | 60   | 90   | 90   |

### Output Signal/Supply

|          |                           |
|----------|---------------------------|
| Standard | 2-wire: 4-20mA Vs 8-32VDC |
|----------|---------------------------|

### Performance

|                     |                                  |
|---------------------|----------------------------------|
| Accuracy            | Standard 0.5% F.S.               |
| Long Term Stability | <± 0.1% FS/year                  |
| Turn-On Time        | <700 msec                        |
| Mean Response Time  | <200 msec                        |
| Max. Response Time  | <380 msec  measuring rate: 5/sec |

### Thermal Effects (Offset and Span)

|               |   |
|---------------|---|
| Thermal Error | <± 0.1% FS/ 10 K<br>Within Compensated Range 0 - 70 °C 32 °F - 160 °F |
|---------------|---|

### Permissible Temperatures

|                          |                                    |
|--------------------------|------------------------------------|
| Permissible Temperatures | Normal -25 – 100°C                 |
| Mean Response Time       | Electronic/Environment -25 – 100°C |
| Max. Response Time       | Normal -25... 100°C                |

### Electrical Protection

|                               |                       |
|-------------------------------|-----------------------|
| Short-circuit Protection      | Yes – Permanent       |
| Reverse Polarity Protection   | Yes – No damage       |
| Electromagnetic Compatibility | Emission and Immunity |



### Electrical Connection

|  |               |
|--|---------------|
| Cable with sheath material   | -25 °F -200°F |
| 3cable with integrated air tube for atmospheric pressure reference |               |

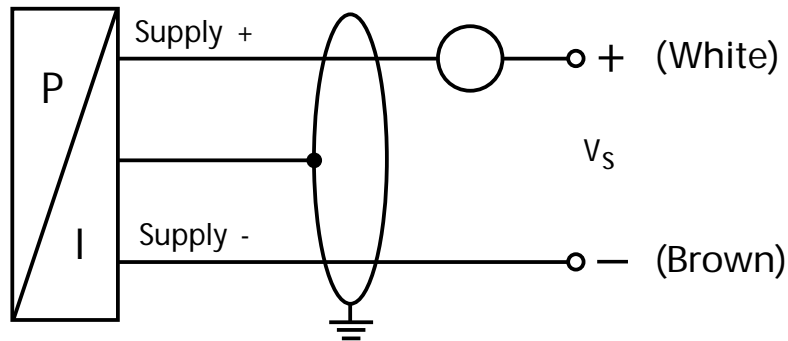
### Materials (wetted)

|           |  |
|-----------|--|
| Housing   | PTPE Teflon®                             |
| Seals     | FKM/EPDM/FFKM (KALREZ®) (FEM - Standard) |
| Diaphragm | Ceramic Al <sub>2</sub> O <sub>3</sub>   |

### Miscellaneous

|                     |                  |
|---------------------|------------------|
| Current Consumption | Max. 21 mA       |
| Weight              | 320g (w/o cable) |
| Ingress Protection  | IP 68            |

### Wiring Diagram



2-wire-system (current)

### Pin Configuration

|                       |                       |
|-----------------------|-----------------------|
| Electrical Connection | Cable Colours         |
|                       | Supply + wh (white)   |
|                       | Supply - bn (brown)   |
|                       | Shield (green/yellow) |

