

# OEM Submersible Level Transmitters

# Econolevel™

**316L SS construction**

- ▶ Insures compatibility with most aggressive media

**Full scale ranges from 11.5 to 231 feet of water**

- ▶ A range to fit many common applications

**4 - 20mA analog output**

- ▶ Easily integrates with most existing equipment

**State-of-the-art sensor and signal conditioning**

- ▶ Best price-performance available

**Designed for OEM system integration**

- ▶ Minimum order quantity applies



The Econolevel by Keller America is a general purpose submersible level transmitter intended for OEM integration applications where small size / weight and low cost are required. This proven design utilizes a media-isolated, piezoresistive silicon sensor, a design known to be highly reliable in thousands of applications around the globe. Combined with state-of-the-art signal conditioning electronics, the result is a robust transmitter that will provide trouble free service and accurate results.

Please consult the comparison chart below to determine if the Econolevel series is the best solution for your specific application. Datasheets for the Levelgate, Acculevel, and other products are available upon request or by visiting our website, [www.kelleramerica.com](http://www.kelleramerica.com).

Product Comparison	Econolevel™	Levelgate™	Acculevel™
Accuracy	±1 or ±0.5% FS T.E.B. <sub>1</sub>	±1 or ±0.5% FS T.E.B. <sub>1</sub>	±0.25 or ±0.1% FS T.E.B. <sub>1</sub>
Custom Pressure Ranges	Yes <sub>4</sub>	Yes	Yes
Available Pressure Range	0 – 11.5 thru 0 – 231 ft. WC	0 – 3 thru 0 – 900 ft. WC	0 – 3 thru 0 – 900 ft. WC
Compensated Temp. Range	0 - 50°C	-10 – 80°C	-10 - 80°C
Field Rangeability	No	No	Yes
Pressure Output	4 – 20 mA	0 – 5 VDC, 0 – 10 VDC 4 – 20 mA	0 – 5 VDC, 0 – 10 VDC 4 – 20 mA, RS485
Temperature Output	No	RS485	RS485
Wetted Materials	316L SS, Polyamide, Fluorocarbon	316L SS, Polyamide, Fluorocarbon	316L SS, Polyamide, Fluorocarbon
Electrical Termination	Vented, Submersible Cable	Vented, Submersible Cable	Vented, Submersible Cable
Relative cost	Lowest <sub>2</sub>	Midrange	Highest

**MADE IN U.S.A.**

Keller America, Inc. is the US home for Keller AG für Druckmesstechnik of Winterthur Switzerland. With over thirty years since its inception, the firm, still under the daily direction of its founder Hans Keller, continues to lead the industry in the development of media-isolated piezoresistive pressure sensors and advanced error correction techniques. At Keller, old-world craftsmanship combines with the latest in microelectronics to produce the best price-performance value in pressure measurement available anywhere in the world.

The products described herein are assembled and tested in the US using the same components and advanced manufacturing techniques in use at the Swiss factory, insuring the uncompromised quality and rapid delivery that our customers have every right to expect.

**KELLER AMERICA, INC.**

813 Diligence Drive, Suite 120 • Newport News, VA 23606 • Toll Free (877) 2-KELLER • Phone (757) 596-6680 • Fax (757) 596-6659  
 USA: [www.kelleramerica.com](http://www.kelleramerica.com) • Switzerland: [www.keller-druck.com](http://www.keller-druck.com)

# Econolevel



## Specifications

<b>Level range (user specified)<sub>4</sub></b>	0 - 11.5 feet, 0 - 34.5 feet, 115.5 feet, and 0 - 231 feet <sub>4</sub>	
<b>Accuracy, TEB<sub>1</sub></b>	Standard: ±1%FS	Optional: ±0.5% FS
<b>Compensated Temperature Range</b>	0 - 50°C	
<b>Operating Temperature Range</b>	-20 - 80°C	
<b>Supply</b>	8 - 28 VDC	
<b>Output</b>	4 - 20 mA	
<b>Load Resistance (Ω)</b>	mA: < (Supply - 8V) / 0.02A	VDC: > 4KΩ
<b>Wetted Materials</b>	Std. 316L S.S., polyamide, Fluorocarbon	
<b>Environmental Protection</b>	IP68	
<b>Cable</b>	Std. Hytel-jacketed, vented & shielded Opt. Polyethylene or Tefzel	

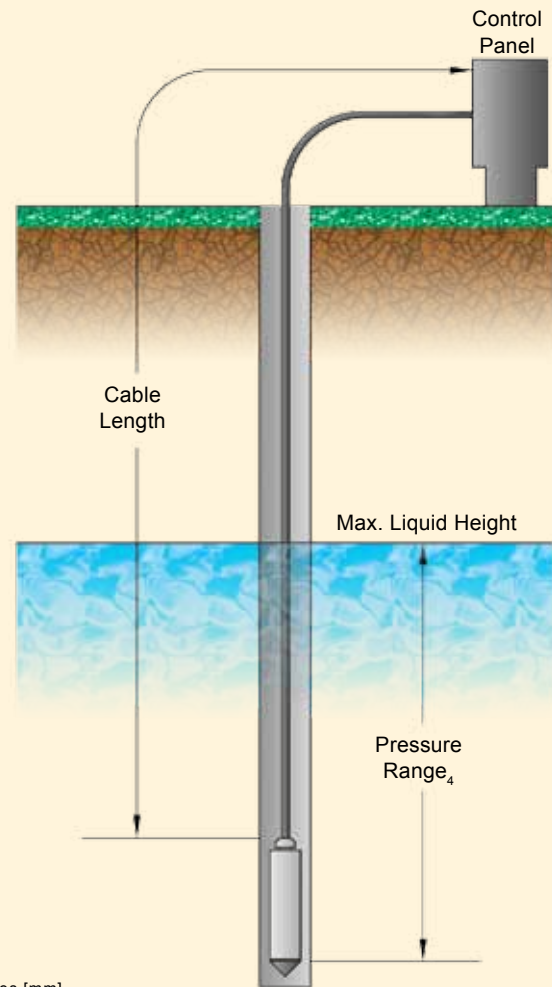
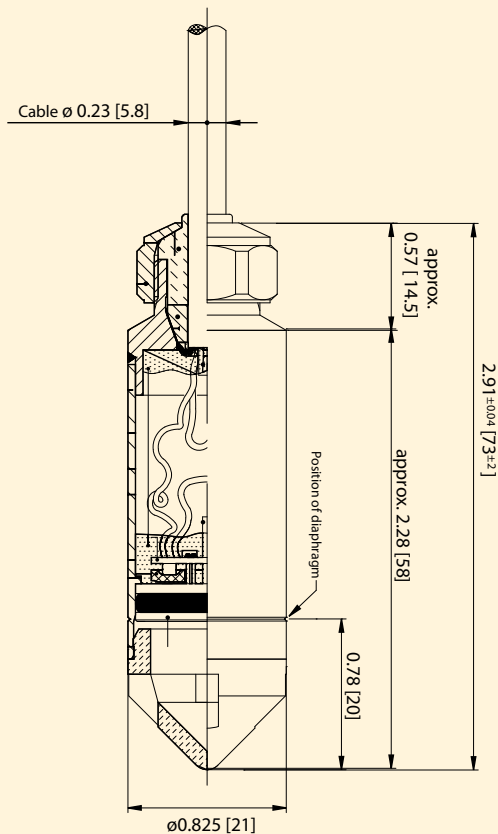
## Notes

1. TEB: Total Error Band; Includes the combined effects of non-linearity, hysteresis and non-repeatability as well as thermal dependencies, over the compensated temperature range.
2. Minimum order quantity applies. Please consult a Keller Sales Engineer for details.
3. Dimensions & specifications are subject to change without notice. For the most accurate and up to date information on all products please visit our website.
4. The Econolevel is readily available in certain nominal ranges. Custom ranges are available for larger orders / longer lead times. Please contact a Keller sales engineer for more details.

## Wiring Configuration

Configuration	White	Black
2 Wire	OUT / GND	+Vcc

## Dimensions



### How to Order:

Please specify "Econolevel, pressure (or level)<sub>4</sub> range, accuracy, and cable length".

Please see note 3.

Dimensions in inches [mm]

### Options & Accessories

- ▶ Drying Tube Assembly (Desiccant)
- ▶ Open Face Nose Cap

- ▶ Bellows Assembly
- ▶ Termination Enclosure