



OEM SUBMERSIBLE LEVEL TRANSMITTER

ECONOLEVEL

FOR HIGH VOLUME APPLICATIONS

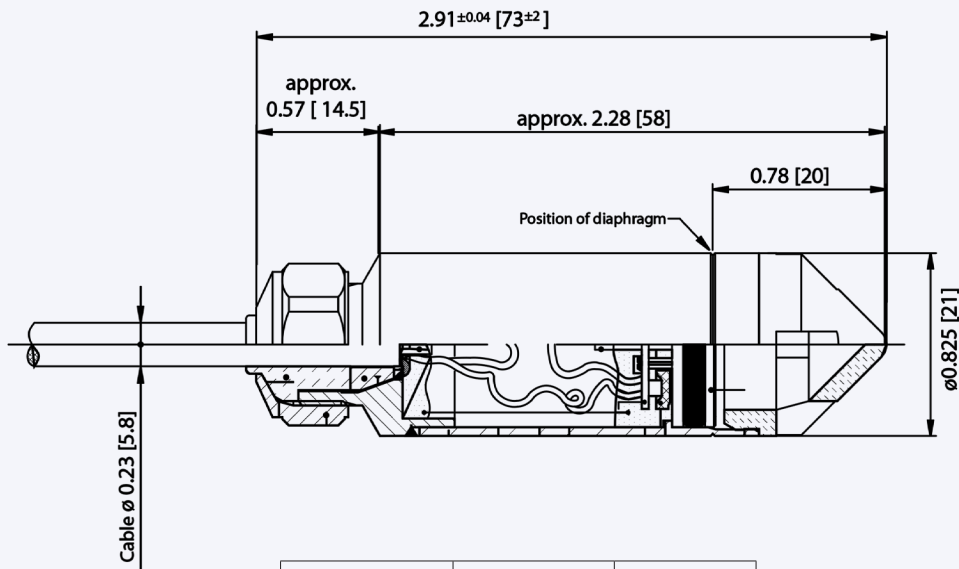
The Econolevel by Keller America is a general purpose submersible level transmitter intended for OEM integration into almost any application involving aggressive media and where small size, weight, and low cost are required.

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.

For more information on the Econolevel, or any other Keller product, please contact Keller America, or view the entire Keller catalog at <http://www.kelleramerica.com/datasheets.html>.

FEATURES

- 316L Stainless Steel construction for compatibility with aggressive media
- Full scale ranges from 11.5 to 231 feet of water
- 1-year warranty covers defects in materials and workmanship.
- Industry standard outputs simplify interface to controls, data collection, and telemetry systems.
- Built in the U.S.A. ARRA Section 1605 Compliant.
- Standard 3 day lead time
- Minimum order quantities apply



Output	White	Black
2-wire (mA)	OUT / GND	+Vcc



Pressure Ranges

Relative	0...11.5 feet W.C. 0...34.5 feet W.C. 0...115 feet W.C
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Accuracy₁

Total Error Band	±1% FS Standard ±0.5% FS Optional
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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.

Output

Current	4...20mA
Voltage	Contact Keller

Certifications

CE	EN50081-1, EN50082-2
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Electrical₂

Supply (4-20mA)	8 - 28 VDC
Load Resistance (mA)	<(Supply-8V)/0.022A

2. Nominal values may be higher depending upon cable length. Cable resistance (~70Ω / 1000ft) adds to the supply requirement. In order to insure proper system operation, calculate the minimum required supply voltage (at the source) as follows:

$$\text{MINIMUM SUPPLY VOLTAGE} = 8 + 0.022 (\text{CABLE LENGTH} \times 0.07) \text{ VDC}$$

Environmental

Protection Rating	IP68
Operating Temp.	-20...60°C
Compensated Temp.	0...50°C
Wetted Materials	316 L Stainless Steel Fluorocarbon Polyamide
Cable Options	Polyethylene for general purpose Hytrek for hydrocarbon Tefzel for chemical interaction

Optional Accessories



1/2" NPT Conduit Fitting



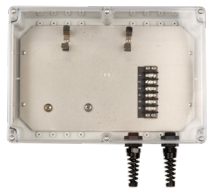
Drying Tube Assembly



Bellows Assembly



Cable Hanger



Termination Enclosure



Process Meter



Open-faced Nose Cap



Signal Line Surge Protector