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

<table>
<thead>
<tr>
<th>Output</th>
<th>White</th>
<th>Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-wire (mA)</td>
<td>OUT / GND</td>
<td>+Vcc</td>
</tr>
</tbody>
</table>
Pressure Ranges

Relative
0...11 feet W.C
0...34.5 feet W.C
0...231 feet W.C

Electrical

Supply (4-20mA) 8 - 28 VDC
Load Resistance (mA) \( \frac{\text{Supply-8V}}{0.022A} \)

Accuracy

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

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
   Hytrel for hydrocarbon
   Tefzel for chemical interaction

Output

Current 4...20mA
Voltage Contact Keller

Certifications

CE EN50081-1, EN50082-2

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

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:

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

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.