



**Comparison SLX 130 vs A1000 Submersible Sensor**

<i>Attribute</i>	<i>USFilter A1000</i>	<i>Contegra SLX 130</i>
Wetted parts	Polyurethane (cable), 316 SS (housing), PVC (sensor support disk), Buna-N (diaphragm edge), Teflon (diaphragm face)	<b>PTFE</b> (cable), Viton (strain relief), PVC (housing), Teflon (diaphragm face)
Sensing Technology	Variable Capacitance	Variable Resistance
Sensor Output Options	<ul style="list-style-type: none"> <li>Voltage Output (1-5 VDC)</li> </ul>	<ul style="list-style-type: none"> <li>Voltage Output (0.5-4.5 VDC)</li> <li><b>mADC Output (4-20 mADC)</b></li> </ul>
Diaphragm	<ul style="list-style-type: none"> <li>Buna-N w/Teflon Coating</li> <li>2.625" Diameter</li> </ul>	<ul style="list-style-type: none"> <li>EPDM w/Teflon Coating</li> <li>2.5" Diameter</li> </ul>
Signal Cable Construction	Polyurethane Jacket Three conductors, Shield/Drain, Breather tube, Approx. 0.5" Diameter	<b>PTFE Jacket</b> (Teflon®) Three conductors, Shield/Drain, Breather tube, <b>Kevlar® strengthening member for integral self suspension</b> , Approx <b>0.25" Diameter</b>
Fluid Fill	Hydraulic Oil	<b>Silicone (Inert)</b>
Breather System	Sealed w/heavy duty blood bag	Sealed w/ <b>protected, flexible polyurethane diaphragm</b>
Suspension methods	<ul style="list-style-type: none"> <li>Optional – pipe mounting via integral 1" male thread</li> <li>Optional – suspension mounting via suspension pipe &amp; suspension cable</li> <li>Optional – flange mounting</li> </ul>	<ul style="list-style-type: none"> <li><b>Integral (i.e. std) self-suspension via signal cable.</b></li> <li>Optional - Pipe Mounting via integral 3/4" female thread.</li> <li>Optional - suspension mounting via suspension pipe &amp; suspension cable</li> <li>Optional – flange mounting</li> </ul>
Accuracy	0.5%	<b>0.25%</b>
Insulation & Installation	<ul style="list-style-type: none"> <li>The stainless steel body is an electrical conductor. (Think about lightning.)</li> <li>1/2" dia. cable w/polyurethane jacket makes it difficult to pull - binds easily.</li> <li>Requires an optional mounting/suspension mechanism.</li> </ul>	<ul style="list-style-type: none"> <li>The <b>PVC body</b> has a high dielectric constant (i.e. it is an <b>electrical insulator</b>) &amp; isolates the sensor from the media.</li> <li>1/4" dia. cable w/<b>PTFE</b> jacket is smooth and easy to pull.</li> <li><b>Provided with self-suspension</b> – other options are available.</li> </ul>

**Comparison Contegra's T420 vs. USFilter's CMX21**

<i>Attribute</i>	<i>USFilter A1000</i>	<i>Contegra SLX 130</i>
Output	Calibrated 4-20 mADC	Calibrated 4-20 mADC
Adjustable Zero Suppression	10:1 turndown	10:1 turndown
Adjustable Span Adjustment	10:1 turndown	10:1 turndown
Surge Suppression	3 levels of transient suppression	3 levels of transient suppression
Drive Capability	1200 ohms	<b>1500 ohms</b>
Adjustment potentiometers	Null (Course & Fine), 4 mADC, 20 mADC (Course & Fine)	Null (Course & Fine), 4 mADC, 20 mADC (Course & Fine), <b>Simulation</b>
Assembly Housing	Open construction PCB	<b>Enclosed w/adjustments fully identified</b>
In-Circuit Test	Yes	Yes
Signal Simulation	NA	<b>Integral</b>