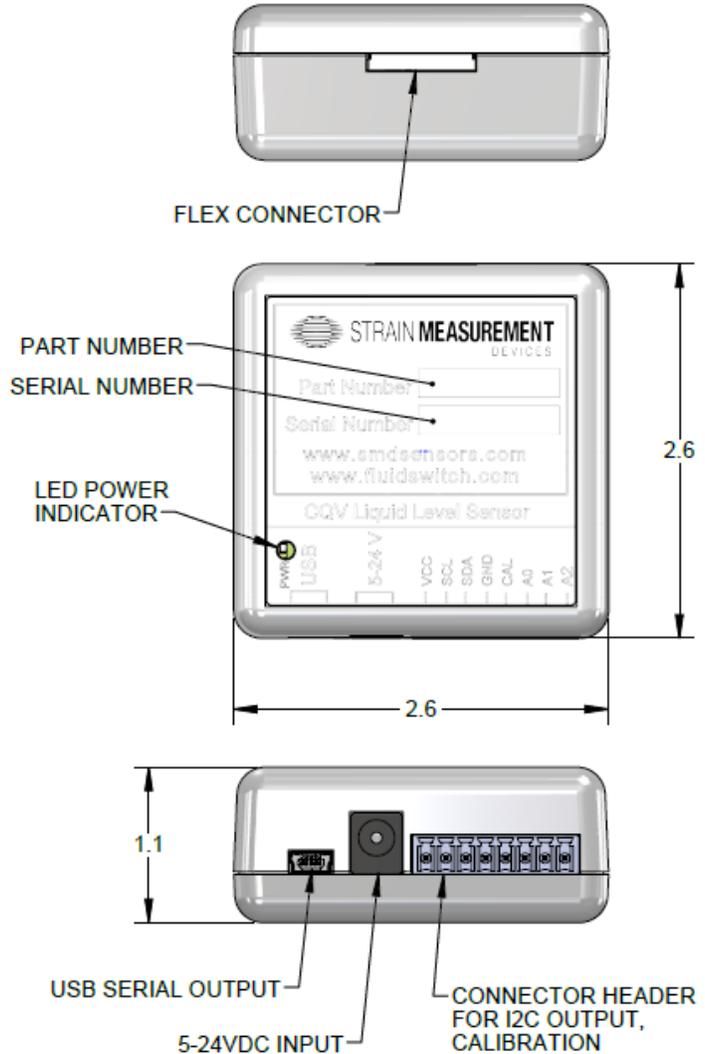


# CQV8243

The CQV control box is capable of connecting to a PC interface and outputting continuous liquid level measurements at regular intervals as fast as 50ms per update. The device is capable of continuous output or call-and-respond outputs to precisely control the output data rate. Output modes are USB serial stream or I<sup>2</sup>C. The control box processes signals from a CQV sensor and precisely calculates the liquid level using a proprietary algorithm which compensates for a variety of environmental and physical factors which could influence the output.

The control board is capable of easy recalibration to compensate for drastic changes in environment, vessel, liquid, or other factors which normally impact capacitive level sensors.



SPECIFICATIONS	
POWER INPUT	USB or 5-24VDC
CURRENT DRAW	8mA - 15mA, 10mA Typical
SENSOR INPUT	FLAT FLEX CONNECTOR (FFC)
OUTPUT DATA FORMAT	USB or I <sup>2</sup> C



UNLESS OTHERWISE SPECIFIED		
BREAK SHARP EDGES .003-.015. REMOVE ALL BURRS. SURFACES TO BE SQUARE &/OR PARALLEL W/IN .005		
XX = ±1/64"	.XXX = ±.005"	
.X = ±.030"	.XXXX = ±.001"	
XX = ±.010"	ANGLES = ±2°	SURFACE FINISH 32/
BREAK SHARP EDGES .08-.4. REMOVE ALL BURRS. SURFACES TO BE SQUARE &/OR PARALLEL W/IN .127		
.Xmm = ±0.5mm	ANGLES = ±2°	0.8/
X.XXmm = ±0.3mm		
X.XXXmm = ±0.15mm		

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