

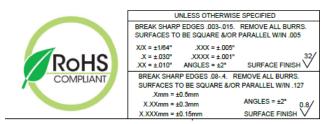
## **CQV1000**

The CQV Capacitive Level Sensor is flexible and capable of mounting to non-conductive vessels with a smooth surface with a minimum bend radius of 5/16". The sensor provides an accurate and repeatable output of liquid level measurement by utilizing the liquids' permittivity across the container to non-invasively determine whether liquid is present inside the vessel. The sensor connects to SMD84243 via a 16 pin flat flex connector, capable of thousands of plug-unplug cycles.

Due to the capacitive nature of this sensor, the container must not be made out of any metallic material. A container material with a relative permittivity between 2.0 and 8.0 can be used with this sensor. A table of some materials within this permittivity is show below. Generally, plastics and glass vessels work best for this sensor. The vessel should be made as thin as possible to improve performance.



SPECIFICATIONS	
SENSING LENGTH	100mm
ACCURACY (Full Scale)	+/- 5%
Operating Temp	0C – 60C
Storage Temp	-40C – 125C
MOUNTING	None, PSA adhesive available
CONNECTION TYPE	FLAT FLEX CONNECTOR (FFC)



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