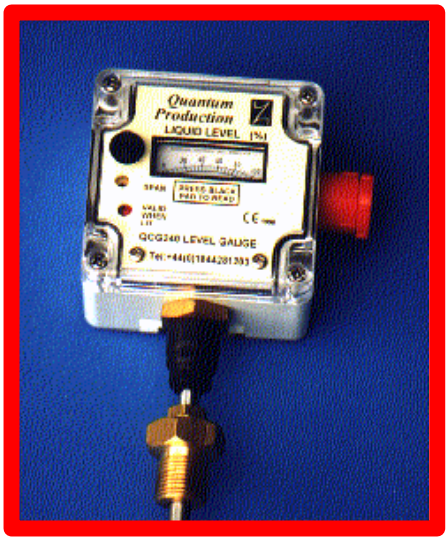
LIQUID LEVEL GAUGE - QCG240
WITH OUTPUT FOR REMOTE DISPLAY OR ALARM

RELIABLE AND ACCURATE DETERMINATION OF LIQUID LEVELS FOR MOST NON-CONDUCTING FLUIDS AND PARTICULARLY SUITABLE WITH LIQUID NITROGEN, LIQUID ARGON, LIQUID OXYGEN AND LIQUID CARBON DIOXIDE



* Proven reliable & durable unit
* High impact-resistant polycarbonate housing & stainless steel probe
* Simple push-button operation when used as a 'stand alone' in a vessel
* Easy plug-in connection point for remote alarm or remote level display
* Continuous read-out at the storage vessel when connected to the QLA-240 remote alarm or the QRD-240 remote display units
* Remote units allow monitoring at up to 100m in addition to continuous indication at the storage vessel
* Probe easily fitted into pressure vessels and has been tested up to 1000 psi

DESCRIPTION

The QCG-240 Liquid Level Gauge consists of a lightweight, compact electronic gauge head permanently attached to a stainless steel probe of length suited to the depth of liquid to be measured. The gauge head also contains a socket which allows remote units to be plugged in to the side and positioned at up to 100 metres away from the monitored vessel. Two different remote units are available. The QLA-240 Remote Alarm Unit, provides an audible alarm should liquid levels fall below a critical point in the vessel. The QRD-240 provides a display of the level of the vessel via a meter on the front of the unit.

The probe, which is inserted vertically into the vessel, has a capacitance which increases linearly with the depth to which it is immersed in liquid. The gauge head has a meter on the front which provides a direct reading from the vessel. A 'Vessel Fitting' can be supplied to enable the QCG-240 to be installed into a pressured vessel and each gauge is supplied custom made to suit the depth of the vessel being monitored. The QCG-240 is powered either by its own battery when used in isolation or by a low voltage source generated from the remote unit with either the QRD-240 or the QLA-240.

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The probe is inserted vertically into the vessel and an easy to read analogue meter, mounted on the front face of the level gauge head, displays directly, at the push of a button, the height of liquid in the vessel. The gauge is adjusted so that the meter reads 0% when the vessel is empty and 100% when the vessel is full. Alternatively, is a remote unit is plugged in, the meter displays a continuous read-out of the current liquid levels (push button not required).

TECHNICAL SPECIFICATION

Probe	Material	Stainless Steel
	Diameter	8 mm (Outside Diameter)
	Length	To Suit Vessel Depth
Read-Out		Analogue Panel Meter Calibrated 0 - 100%
Reading		On Pressing Push Button OR Continuous Reading If Connected To QLA-240 or QRD-240
Adjustment / Calibration		By Potentiometer Accessible Upon Removal of Rear Cover
Battery Type		PP3 9 Volt (Used During Push Button Operation Only)
	Test	Push Button
	Change	By Removal of Front Cover / Gauge Panel
Gauge Head Enclosure		Weatherproof Polycarbonate Case to IP67 External Dims : 82 x 90 x 65 mm
External Connections		Weatherproffed 3 Pin Socket For Connection With Remote Units
Accessories		Vessel Adaptor For Pressure Sealing Into Pressurised Vessels QLA-240 Remote Alarm Unit QRD-240 Remote Display Unit