The DEETER Group®

ISO 9001 REGISTERED FIRM

Questionnaire
Custom Liquid Level Sensor Specification

Name: _____
Position: _____
Company: _____
Address: _____
Postcode: _____
Tel: _____
Fax: _____
Email: _____

1. General description of the application and required functionality

Note: Deeter also provides sub-contract design and manufacturing services. We may be able to save you time and money by integrating your sensor with any downstream electronics. Please enquire for more information.

2. Environmental Conditions

Max. operating temperature	
Max. operating pressure	
Liquid sensed	
Specific gravity of liquid at max. operating temperature	
Is the sensor operating in a hazardous atmosphere?	

All electrical equipment should be installed by a qualified electrician.

DEETER ELECTRONICS LTD
Deeter House, Valley Road, Hughenden Valley, Bucks. HP14 4LW
UK. Tel: 44 (0)1494 566 046 Fax: 44 (0)1494 563 961
Email: sales@deeter.co.uk Website www.deeter.co.uk

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3. Mechanical

Number of levels to be sensed	
Measured from the inside bottom of the tank, what positions are these levels at?	
If a cable is required, how long should it be?	
If a connector is required, what manufacturer and type?	
Do you have a preference for the wetted materials of the sensor? For example PVC, Nylon, Stainless Steel, Polypropylene?	
Shape and inside dimensions of tank (H x W x D), diameter etc.	
Do you have access to the inside of the tank to mount the sensor or must the sensor pass through the mounting hole?	
Thickness of tank wall material at mounting point?	
Preferred mounting method	

4. Electrical

What output do you require from the sensor? Continuous analogue (4-20mA, 0-10V etc.), stepped analogue, discrete binary. If necessary specify the output required on a separate sheet.	
Do you require the sensor to switch a high power load directly? If so please specify the load power and voltage.	
What are the characteristics of the load being switched by the sensor? Purely resistive, inductive or capacitive? Or is the load a lamp? Typically a sensor will only switch low voltages and currents.	
What voltage and current is being switched? Consider inrush currents in inductive and lamp loads. Please state if the sensor is switching a.c. or d.c.	
What change of switch state is required at each switching point as the liquid level rises? Please specify each switch separately	
Do you need the sensor to have any programmable functions? If so please specify what you need, use a separate sheet if necessary.	
Electrical safety regulations require that the sensor be properly earthed, in particular if the sensor is switching line voltage. Please confirm that you can provide an earthing connection convenient to the sensor.	

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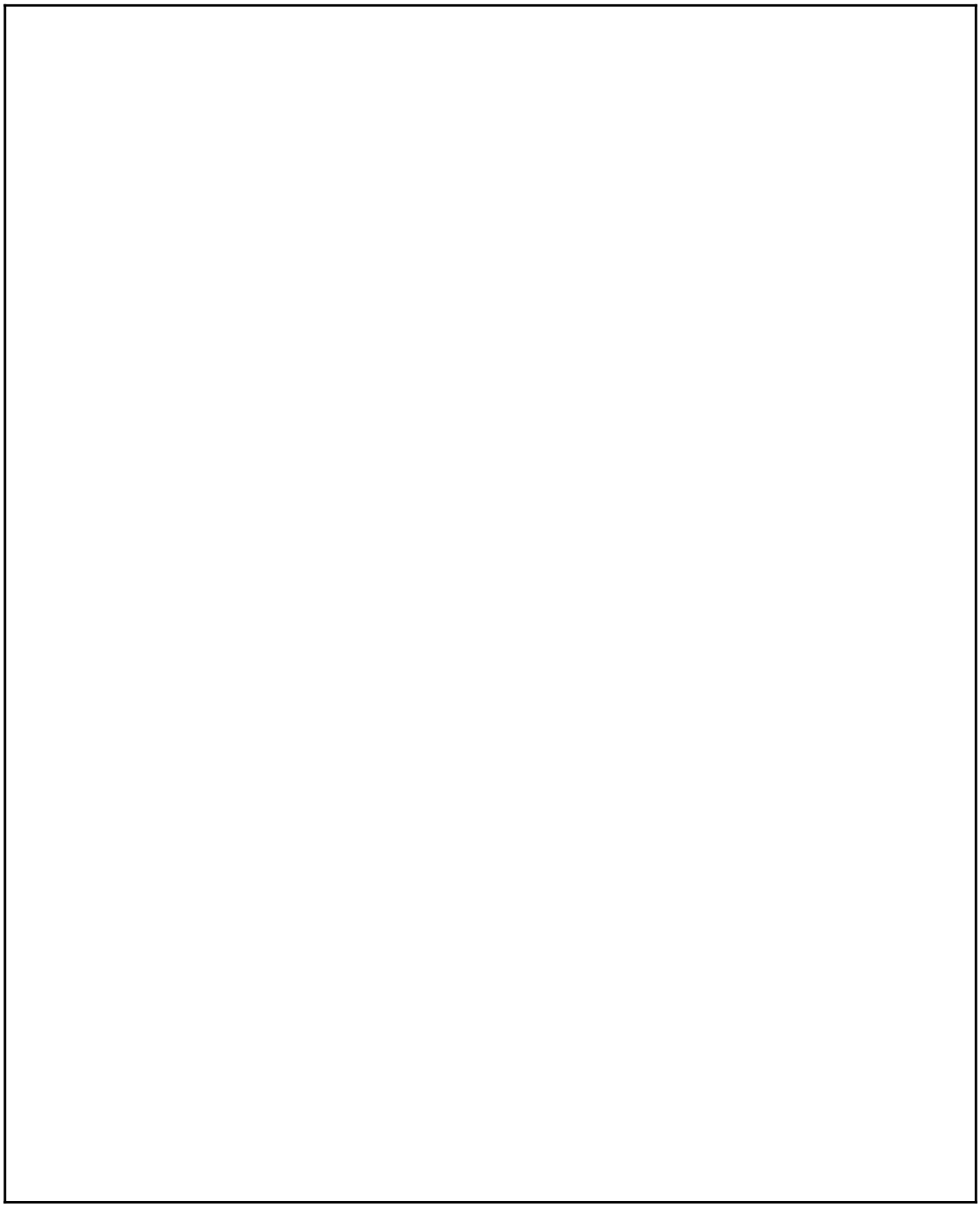
5. Drawings/Sketches



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