REALTECH Controls
Technology Powered Solutions

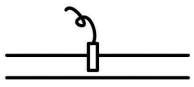
pH and ORP Electrode Application Questionnaire v1.0

Application General Description:	
☐ Industrial? ☐ Pilot Plant? ☐ Field? ☐ Laboratory?	

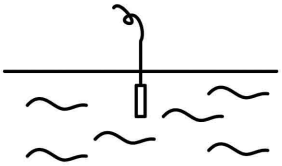
Chemical – Does it contain…	Harsh Acids:	☐ Hydrochloric acid (33% HCL very aggressive)? ☐ Hydrofluoric acid (will etch glass)? ☐ Nitric acid (will attack Ryton)?
	Harsh Alkalis:	☐ Caustic soda or similar ☐ Strong brine? ☐ Lime? ☐ Iron? ☐ Ions that precipitate potassium chloride? ☐ Bromides, iodides, cyanides, sulphides? ☐ Heavy metals, chlorates, mercaptans? ☐ Solvents? ☐ Fluorides?
Is your sample:		☐ Clean water? ☐ Dirty water? ☐ Very clean water? ☐ Sticky? ☐ Abrasive? ☐ Viscous? ☐ Biological? ☐ Brine? ☐ Non-Aqueous? ☐ An emulsion, sludge or slurry?

Physical: Is your mounting:

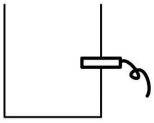
A: ☐ In Line



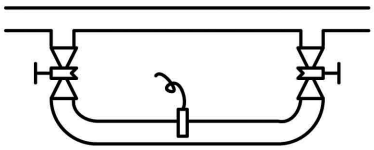
B: ☐ Submersion



C: ☐ Insertion



D: ☐ Side Stream



Likely pH Range: Please fill in:

Min…… Control…… Max……

Maximum Temperature: …… Maximum Pressure: ……

Viscosity in general terms: …… Flow velocity if using A or D: ……

If using B or C, is there: ☐ Agitation? ☐ Flow?

If using B, do you require: ☐ Submersible Probe? ☐ Submersible Probe Holder:

Is temperature compensation required: ☐ PT100 ☐ PT1000

Approx. Length of Probe Cable required ……

Cable type: ☐ Hard Wired into probe ☐ Removable connector

Failure of Previous Electrodes due to:	
Other Comments:	

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