

**GLOBAL ELECTRONICS, HYDERABAD INDIA**  
**APPLICATION QUESTIONNAIRE FOR ON-LINE CONDUCTIVITY MEASUREMENT**

**COMPANY:**  
**ADDRESS:**

**CONTACT PERSON :**  
**DESIGNATION :**  
**PHONE(S)**

**FAX:**  
**Email:**

Kindly give detailed information on the data requested below. This will help us in offering you the most **Optimised and cost effective solution** to meet your requirement  
**THIS INFORMATION WILL BE KEPT STRICTLY CONFIDENTIAL**

1. **Process liquid for conductivity measurement** . Please give details
2. **Specific Conductance of Liquid @ 25 °C**                      Max:                                      Min  $\mu$ S
3. **Temperature of the liquid**    Max:                                      Min:                                      °C
4. **pH of the liquid**    Max:                                      Min:
5. **The application is for**
  - a. Conductivity measurement
  - b. TDS measurement
  - c. Conductivity comparison ( Ratio )
  - d. Conductivity differential ( A – B)
  - e. Concentration measurement
6. **Which of the following material combinations is recommended for the conductivity cell?**
  - a. SS316 / Polypropylene
  - b. SS316 / PTFE
  - c. Glass / Platinum
  - d. Other : Please specify
7. **The application is for Conductivity measurement in**
  - a. **An Open Channel**
  - b. **A Pipeline** Fig.2
  - c. **A Tank** Fig.3

**7.1 Measurement in Open Channel**

Please specify the following.

Flow velocity in channel :        m / s

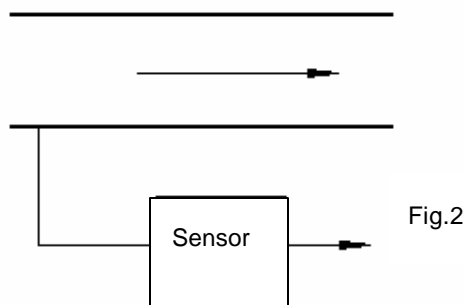
Electrode submersion depth :        mm

Electrode mounting Flange :

**7.2 Measurement in a Pipeline** : Please mark all dimensions in Fig.2

Can the measurement at a sampling line tap from the main pipeline?

If Yes, can the sample be drained?

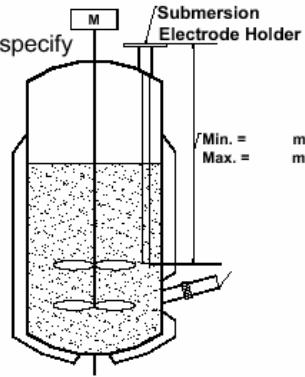


If it is in a Tank, please specify

**Agitator**

- Turbine
- Anchor
- Other

RPM:



**Tank Material :** MS / SS316 / FRP / Glass Lined

**Electrode insertion** From Top Nozzle / Tank Side

**If from Top Nozzle**

Submersion depth : Min.: Max.: mm

Mounting Flange Size : Standard :

**If from tank side**

Mounting : 25 mm Socket

Flange : Size: Standard

Tank Pressure : Max.: Typ.: Min.: bar

Vacuum Max: mm Hg

Fig.3

Is the process in the tank a Batch or Continuous process?

If Batch, Batch Duration is hrs

Idle time between batches hrs

8. Are any special barriers / Protections / Flameproof enclosures for Transmitter or Indicator required?
9. If Yes, please give details
10. At what intervals can the sensor be inspected / cleaned
11. Please describe the process in detail

12. Is the Transmitter / Indicator to be mounted outdoors and /or Open to sky?

13. For display in Concentration terms, please give Conductivity to Concentration conversion table.

14. Power Supply: ? 230V, 50 Hz, ? 110V, 60 Hz, ? 24V DC ? Other :

15. Retransmission Output Required : ? Yes ? No 4mA = 20mA =

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