



Inductive conductivity meter

Model : DDG-2080C



DDG-2080C Inductive conductivity meter is on-line and industrial class type conductivity meter for range of 0~2000ms/cm, it's designed by BOQU Instrument ,special and reliable for usage under harsh conditions in many industrial processes for measuring in aggressive chemical solutions and dirty water applications. like acids, caustics or salt stream concentration solutions over a wide measuring range. Applications like cooling water monitoring,dilution control, brine, cleaning solutions,Fouling or coating, processes susceptible to metal corrosion ,industrial water treatment or preparation and identification of cleaning liquids for example in CIP processes

How Inductive Conductivity Sensors Work

Two matched coils (electrode coils) are encapsulated with PP or PFA material, protecting them from the adverse effects of the process. These coils are the sensing elements of an inductive sensor. They do not come in direct contact with the process.the driver coil generates a magnetic

field, which is carried through the liquid that flows through the donut hole of the sensor to the receiving coil. The differential between the two coils is the conductivity of the solution.

Main Features

- 1) Perfect for concentrated liquids and wide conductivity range
- 2) Long working life in harsh environment
- 3) High pressure,high temperature,high concentration liquid.
- 4) The Inductive sensor can be directly with 4-20mA or RS485.

Technical Parameters

Show:128×64 lattice LCD,

Measurement range: (0~2000)ms;

Accuracy:±2%F.S;

Resolution:0.01%;

Repeatability:<1%;

Temperature sensors: Pt1000;

Max working temperature:180C

Ambient temperature: (5~45) °C;

Ambient humidity: ≤90%RH (without condensation);

Storage and transportation temperatures: (-25~55) °C;

Power supply: AC(85~265) V Frequency (45~65)Hz; Power: ≤15W;

Overall dimension: 145 mm×120 mm×150 mm;

Hole size: 138 mm×138 mm;

Data output:4-20mA output

Communication:RS485 Modbus;

Alarm relay: 2 normally open contacts , AC220V 3A /DC30V 3A;

Protection level: IP65;

Power-down save: >10 years