

Instruction Sheet

ECCONSEN45B CONDUCTIVITY SENSOR



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INTRODUCTION

This electrode uses two etched, high-grade stainless steel pins and it comes with built-in 30K Ω thermistor for Automatic Temperature Compensation (ATC). It is designed for maximum reliability, accuracy, and ease of use. The sensor is housed in a high-grade epoxy body resistant to a wide range of sample solutions. It comes with a standard BNC connector and mini phono jack. Thus it offers precision conductivity measurement at an economical price. Due to its robust construction, it allows long years of maintenance free use.

PREPARATION PRIOR TO USE

The electrode needs periodic cleaning. For this, any industrial cleaner will suffice. Isopropyl alcohol is strongly recommended. It is non-toxic and inexpensive without losing cleaning properties. Following steps before and after use are recommended for prolonged life:

- 1) Store dry.
- 2) Rinse in isopropyl alcohol followed by deionized water before and after measurement.
- 3) Once in a while, it is recommended to remove deposits if any on or around the sensor housing.

RECOMMENDED MATERIALS

A suitable conductivity/TDS standard solution nearest to expected measured value is recommended. Normally Conductivity calibration at 1413 μ S/cm and 12.88 mS/cm will suffice. While TDS calibration at 300 ppm and 3000 ppm will suffice.

WARRANTY

This electrode is supplied with a six-month warranty against significant deviations in material and workmanship.

Exclusions

The warranty on your instrument shall not apply to defects resulting from:

- Improper or inadequate maintenance by customer
- Unauthorised modification or misuse
- Operation outside of the environment specifications of the products

RETURN POLICY

Please obtain authorisation from our Customer Service Department or authorised distributor before returning items for any reason. A "Return Goods Authorisation" (RGA) form is available through our authorised distributor. Please include data regarding the reason the items are to be returned. Items must be carefully packed to prevent damage in shipment and insured against possible damage or loss. Eutech Instruments/ Oakton Instruments will not be held responsible for damage resulting from careless or insufficient packing. A restocking charge will be made on all unauthorised returns.

NOTE: Eutech Instruments Pte Ltd reserves the right to make improvements in design, construction, and appearance of products without notice.

As of the date of preparation of this document, the foregoing information is believed to be accurate. However, no warranty or representation with respect to such information is intended or given.