



TB-IIS / C-58,

## INERT GAS SYSTEM FOR TANKER OXYGEN ANALYZER

Single Point Oxygen Analyzer

### MODEL CONTENTS

- 1 Unit Oxygen Analyzer, C-58
- 1 Unit Oxygen Sensor, TB-IIS

DAIICHI NEKKEN, JAPAN

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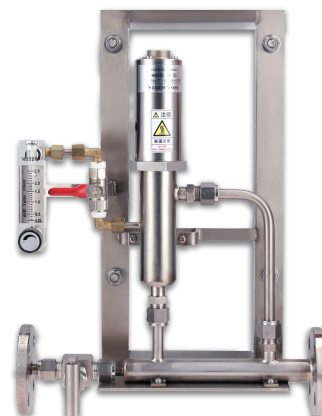
Daiichi Nekken TB-IIS Oxygen Analyzer is widely used onboard vessel on Inert Gas System (IGS) Oxygen Analyzer. The TB-IIS has proven record in Marine Applications for Inert Gas System (IGS).

The EcoaZ TB-IIS consists mainly of the Control Unit and Sensor Unit. This is an instrument which controls sensor's temperature and converts the cell EMF to oxygen concentration, signal output, etc. with our Zirconia Oxygen sensor. The detective element is made of Zirconia Electrolyte.

The Zirconia Electrolyte Oxygen sensor works under the high temperature less than about 700°C and becomes able to move in stabilized zirconia.

### FEATURES :

- Detective element made of Zirconia Electrolyte
- Accepts the large flowing quantity of the sample (about 5L/min)
- Measurement of partial oxygen pressure in Vacuum Atmosphere
- It can be measured even if sample gas is dewy
- Simple structure, easy maintenance



With proven record in Marine Application for Inert Gas System. A.B.S. 5-1-7/25.3, 25.5.2, 25.31.1, 25.37.1 and Oxygen Content Monitor U.S.C.G. 46 CFR 39.40-3 & 39.40-5

### TECHNICAL DATA

MODEL	EcoaZ TB-II S
PRINCIPLE	Zirconia Electrolyte Cell
CONSTRUCTION	TB-IIS Sensor Unit
	C-58 Control Unit
	Interconnecting Cable (6P)
MEASURE RANGE	0 ~ 25 % O <sub>2</sub>
OUTPUT	D.C. 4 ~ 20mA, 0 ~ 1V
ACCURACY	In less than ± 2% of full scale
REPEATABILITY	In less than ± 1% of full scale
RESPONSE	90% reading 10sec (Swinging to a High Density side)
ALARM	High / High 5% / 8% (default)
	User can change the set point
WARM UP TIME	Approximate 20 Min
AMBIENT TEMP	80 °C max. for Sensor, -5 ~ 50 °C for Control Unit
AMBIENT HUMIDITY	0 ~ 85% max, non-condensing
SAMPLE TEMP	0 ~ 700 °C (in case of Guide Probe use)
SAMPLE PRESSURE	0.01 MPa ~ 0.02 MPa
POWER SUPPLY	100 ~ 240 VAC 50/60H
PIPE CONNECTION	JIS 5K 15A Flange for Inlet & Outlet

\* Daiichi Nekken reserves the right to change product design and specification without notice \*



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