ISO-14001
ISO-9001

SPECIFICATION SHEET

TOA DKK

TOTAL NITROGEN AUTOMATIC ANALYZER

Model: TNC-250

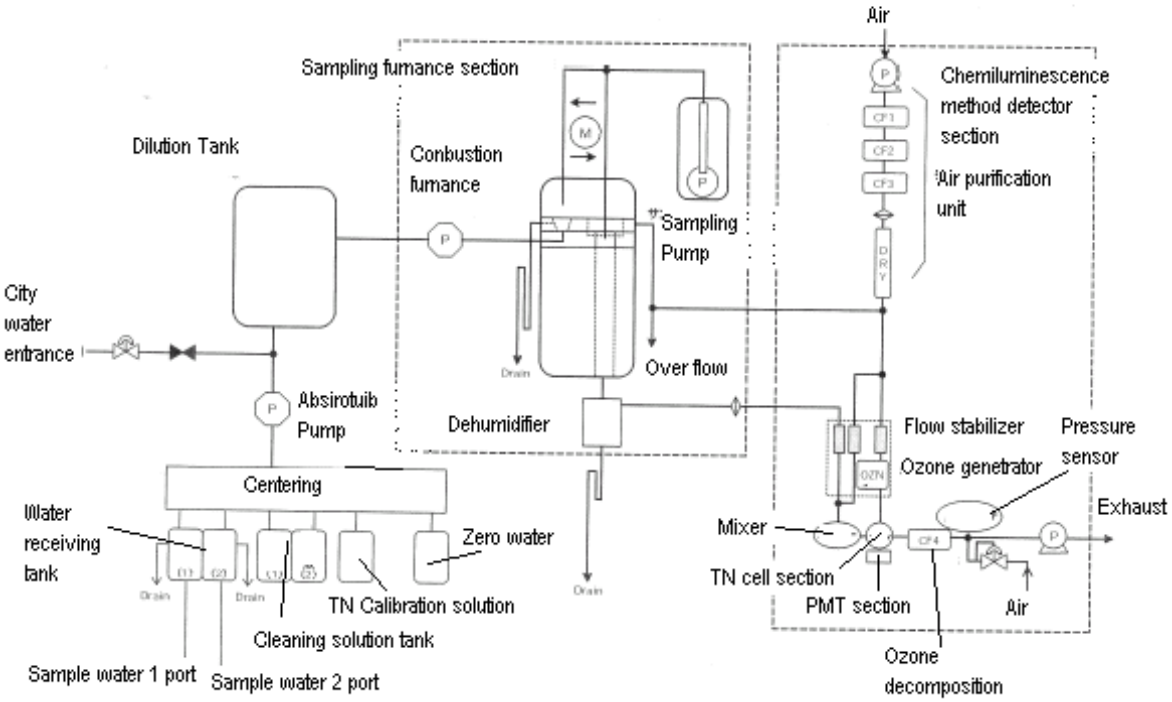
[Features]

- As the total nitrogen measurement process of this analyzer is adopted with contact thermal decomposition method for decomposition and with chemiluminescence for detecting method, reagents are not required for the measurement
- "Help" function (software) is employed at all of touch panel screen to give quick reference at each operation stage, thereby, operability and maintenance activity are improved
- Data storage capacity becomes greater because of the adoption of CF card (Data storage capacity is for approx. five years of operation)
- This analyzer is applicable to the sample containing sea water

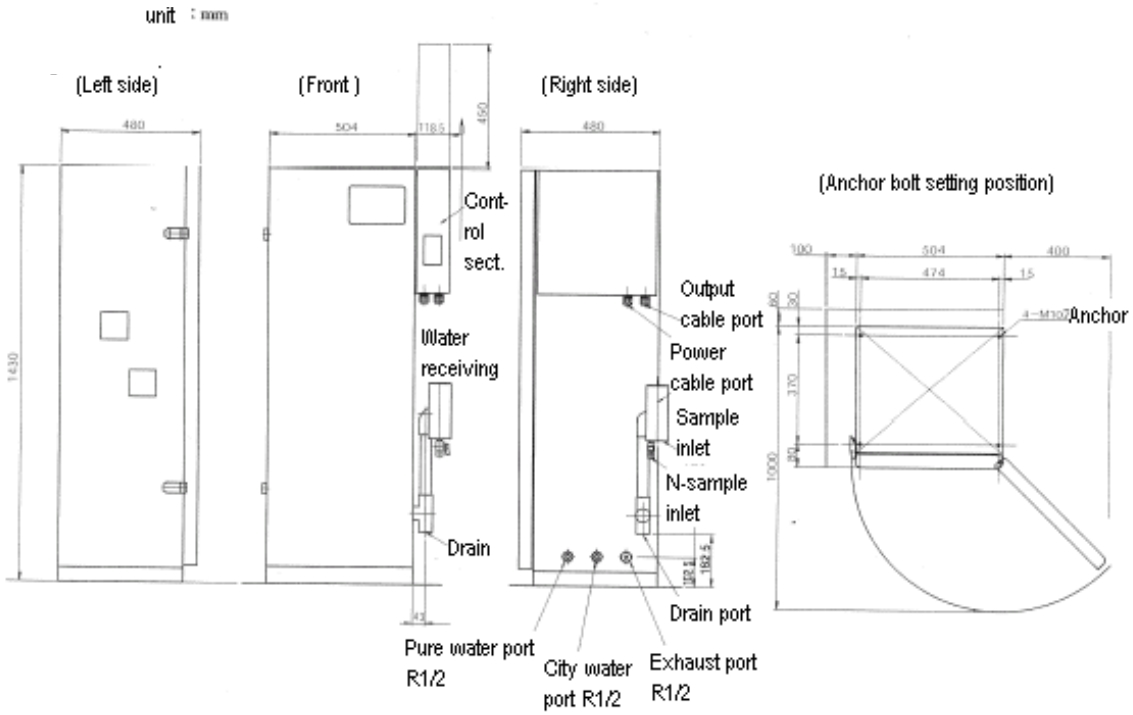
[Standard Specifications]

Name of product:	Total Nitrogen Automatic Analyzer
Model:	TNC-250
Measuring object:	Total Nitrogen in water (for process surveillance and effluent monitoring)
Measuring method:	Chemiluminescence
Measuring range:	Optionally selectable among ranges 0~20, 0~50, 0~100, 0~500, 0~1000mgN/L (No dilution for 0~20mg/L range)
Repeatability:	Within +/-3% F.S. (at span calibration solution) Within +/-4% F.S. in case that dilution is used
Measuring cycle:	5 min. ~120min. (optionally settable among 5, 6, 10, 12, 15, 20, 30, 60, 120)
Measurement path:	1 flow path, 2 flow paths
Display system:	Touch-screen system ("Help" menu is appeared at each screen)
Recording method:	Compact flash memory is integrated, printer having automatic rewinding function
Calibration method:	Manual calibration or automatic calibration by calibration solution
Calibration sol.:	Potassium nitrate
Consumption of calibration solution:	500mL/calibration (in case of no dilution and every 5 times of measurement)
Analog output signal:	4~20mADC measurement value of one flow path 2 channels, Load resistance 600Ω or less
Contact output signal:	Power cut, maintenance, calibration, cleaning, light alarm, significant alarm, concentration abnormality 1 (concentration abnormality 2), non-voltage contact capacity 24VDC, 0.8A, 100VAC 0.2A or less
Contact input signal:	External power on, start measurement, stop measurement, start calibration, choice of flow path, start cleaning, external apparatus BUSY, non-voltage contact input, make time: 0.1 ~ 1 sec.
Cleaning method:	City water, auto cleaning by oxalic acid (Addition of chloride is optional)
Installation place:	Indoor, non-corrosive atmosphere, non-direct sunlight, near to sampling point
Ambient temp. & humidity:	2~40°C, 85% RH or less (No dew condensation)
Construction:	Indoor self-standing (Equivalent to IP11), (Cubicle is required for outdoor installation)
Sample water conditions:	Temp. :2~40°C, Pressure: 0.02~0.05MPa, Flow rate: 1~3 L/min. Pretreatment may be required depending on the nature of sample water
Power Source:	AC Line +/-10% 50/60Hz (Max. power consumption :120VA)
Dimensions:	Approx. 623(W)x1430(H)x480(D) mm
Weight:	Approx. 120Kgs

[Flow Diagram]



[Dimensions]



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CAUTION Do not operate products before consulting instruction manual.

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