

GLU-12

Automatic Glucose Analyzer

**Simple operation and
excellent operability**



GLU-12 carries out measuring glucose concentration quickly and easily, which is essential in fermentation, food, sake brewing, and pharmaceutical industries. It uses an enzyme membrane sensor that has been proven in the field of laboratory testing, and can be used for a long term.

Measurement will be completed in about one minute only by injecting the sample. In addition to cleaning, all calibration and measured value operations are performed automatically.

Accurate and repeatable measured value can be obtained quickly.

GLU-12 Automatic Glucose Analyzer

■ Features

Long-life fixed enzyme membrane use



No membrane is required for removing protein because our unique wet GOD fixed membrane is used.

More than 2000 samples can be measured with just one piece of GOD fixed membrane.

Simple operation

All operations such as weighing diluent, clean, and data calculation are performed automatically. Accurate data can be easily provided only by injecting the sample.

Calibration operation is automatic

A zero-point calibration is automatically performed every 4 hours, and the calibration factor is automatically determined from the sensitivity measurement by the standard solution injection. The calibration factor is then used for the subsequent measurement of the sample.

Trace sample

The sample volume required for the measurement is 10 μ L or 5 μ L.

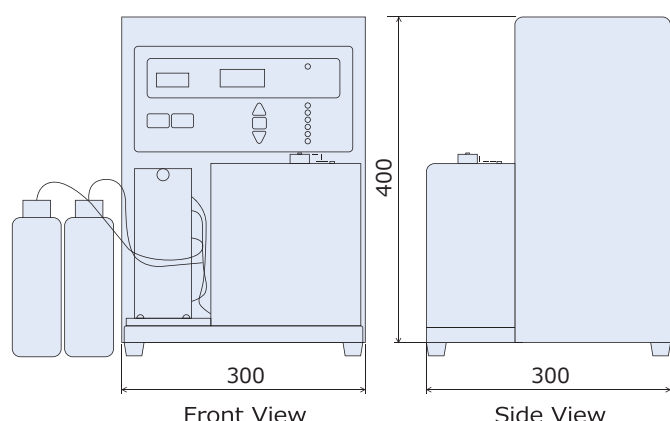
Data output

The data is printed out with a 3-digit sample number (External printer).

Built-in check function

This function is used to check electrode status, membrane sensitivity, and stability based on the signals from electrode. When an error occurs, it is displayed on the screen, a printout is made, and the machine stops.

■ External Dimensions (Scale: mm)



■ Specifications

Measurement object	Glucose concentration in fermentation, food, sake brewing, pharmaceutical industries, etc.
Measurement method	H ₂ O ₂ Electrode method (Rate Assay) using GOD fixed membrane.
Measurement range	0 to 1% (0 to 1.000%), 0 to 10% (0 to 10.00%) Manual switching
Linearity range	0 to 0.7% (in the 0 to 1% range), 0 to 5% (in the 0 to 10% range)
Display	Digital display
Treatment capacity	Approximately 60 samples per hour
Measuring temperature	37°C
Amount of sample	10 μ L or 5 μ L
Accuracy	Within CV2% (at 0.1% glucose concentration)
Automatic calibration	The zero-point calibration is automatically performed 4 hours after the last measurement, and the display shows to inject the reference solution.
Check function	During calibration, magnitude of the residual current from electrode, electrode sensitivity, and the instrument stability are determined. If an error occurs, the error display is turned ON.
Power supply	AC100V 50/60Hz
Power consumption	Approximately 70VA
Dimensions	Approximately 300 W×400 H×300 D mm
Weight	Approximately 16 kg

■ Standard Accessories

GOD fixed membrane (2 plates)	IEG-02
Hydrogen peroxide electrode	GE-111
Standard solution (0.1% x 2 tubes, 1% x 3 tubes)	GLU-11A1
Diluent (1L)	GLU-1B1
Micro-dispenser (10 μ L)	GL024001
Capillary (100 bottles)	GL024002
Pump tube (3 pcs)	GL021007
Tank filter (1 pc.)	XC543003
External printer (1 roll of printer paper, 1 with ink ribbon)	131F063
RS-232C Cable for External Printer	118G862
Waste liquid tank (1L×1 pc./main unit mounted)	
Stirrer bar (1 pc.)	
Power cord (1 pc. with ground)	
Fuse (2A 2 fuses)	
Manual (1 copy)	



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CAUTION

Please read the operation manual carefully before using products.

<https://www.toadkk.com/english>

Specifications and prices are subject to change without notice.

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