



NEOMET

Instruction Manual

Model DO-350L (DO/O2/AIR/ pO2/TEMP)

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Chapter I. Instruction

This desktop Meter (Model DO-350L), the latest- model is operated by AC/DC adaptor (DC 12V), a high performance model controlled by microprocessor for all measurement needs.

The model DO-350L is capable of storing up-to 500 points in its memory box and storing by control of the time interval of data-log automatically. And also, by using RS232C cable, it can be remotely controlled and transmitted the measured information to the printer or computer by 1 second interval.

DO-350L (DO/O₂/AIR/ pO₂/TEMP)

If a pH value is stable, a world "Stable" is displaying on the screen, therefore a user can measure the sample more accurately. And it features Auto/Manual calibration and displays DO (mg/l), O₂, pO₂, Air and temp (°C)

- DO** Displays concentration of dissolved oxygen with range of 0.00 to 19.99 mg/L.
- O₂** Indicates percentage of oxygen as compared to the amount of oxygen presents in the air.
- Air** Indicates percentage of DO concentration.
- Alt** Indicates Altitude by meter. It is shown in Setup mode.
- ATC** Indicates Automatic Temp Compensation, a temperature probe supplied by istek must be used. Temperature Compensation is automatically performed indicates present temp and in case of it is unconnected with the meter, it displays **25°C**.

Chapter II. General Functions

2.1 Instrument Setup



Rear Panel of DO-350L

Power Source

Connect the supplied AC/DC adaptor to Power Jack of the meter.
istek supplies **AC/DC adaptor(DC 12V) adjusting to 220V.**

- With built-in Printer: 12V, 3A**
- Without built-in Printer: 12V, 1A**

This meter can be used in free voltages and if you would like to use this to 110V, just use a proper connector for inserting a users plug.

Sensors and ATC probe Connecting

We recommend using electrodes which were provided by istek, Inc. for optimum working. Put it into BNC Jack and turn it clockwise to lock into position. And Attached ATC probe to the ATC jack by sliding the connector straight on until firmly in place.

RS232C interface cable Connecting

Using this RS232C Interface cable, it is available to connect the meter with Printer (Or Computer) and user can edit or print the data easily. For further information, please refer the Chapter 4 <Data -Log> Part

2.2 Display Description

This is an initial display of DO-350L.

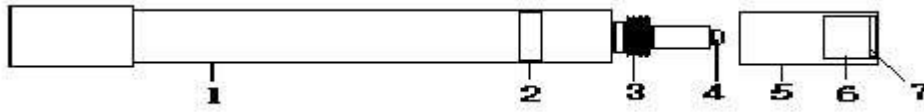
Initial display of DO-350L

Setup	Cal	Memory	Help
DO			
DO	O ₂	Air	
Message	05/08/24 15:00:32		
* Altitude : 0 meter			
* Salinity : 0.0 ppt			

Display	Function
DO	Indicates Concentration of Oxygen presents in the water.
O₂	Indicates Percentage of Oxygen which is based Amount of oxygen presents in the air.
Air	Indicates Percentage of Dissorved Oxygen or O ₂ Concentration.
Setup	Indicates to change each selected value per measuring Item
Cal	Indicates that meter is in calibration condition
Memory	Indicates for confirming each saved data per Item
Help	Indicates to check interior simplicity manual which is saved in instruments
Message	When you select each Menu or item, this message is appeared
05/08/24	Indicate of using data of the instrument
15:00:32	Indicate of using time of the instrument

2.3 Electrode Structure

DO Polarographic Probe Storage & Maintenance



1. Electrode Body
2. Stainless Steel Ring
3. Screw
4. Sensor; position of response to oxygen
5. Membrane Cover; containing with the filling Solution
6. Membrane Protector& Holder
7. Membrane

Probe Storage and Maintenance

- DO Probe Storage

For longer storage, cover the membrane tip with a cap originally supplied by *istek*.

- DO Probe Maintenance (Probe Cleaning)

If it takes long time to response or a stable data is not obtained, check

membrane. If air bubble is occurred on membrane, remove air bubble.

Check membrane for damage (i.e. holes and leak, etc.). If membrane gets damage, replace membrane.

Chapter III. Setup Functions

3.1 Setup in DO Mode

3.1.1 Setup in DO Mode

From the Initial display, select <DO> Item by pressing **Move Key**.


After selecting <DO> and press **Memory/Out Key**, then below (right one) is displayed. From the display, move to <Setup> by using **Move Key**. Each single item can be selected by pressing **Enter Key**.




3.5.1.1 Setting Salinity and Altitude in Setup menu.

In DO Setup, press **Enter Key** to select Salinity and Altitude

Select DO by using **Move Key** and **Enter Key**. After selecting DO then, press **Memory/Out Key** to enter DO Mode (Left picture). User can move easily to Main Menu by pressing **Move Key**. Press **Enter Key** from Setup mode to enter Setup Mode.

Setup	Cal	Memory	Help	Item
DO				
DO		O ₂		Air
Message	05/08/24 15:00:32			
* Altitude : 0 meter				
* Salinity : 0.0 ppt				

Setup	Cal	Memory	Help	Item
Channel 2				
DO				
				
Message	05/08/24 15:00:32			
* RS232 output : Computer				
* Interval : 0 sec				


Setup	Cal	Memory	Help	Item
DO	Ch1	Common		
				
Setup	Temp	Common		
Message	05/08/24 15:00:32			
* Move : [Move], Select : [Enter]				
* Save & Exit : [Out]				


Setting Salinity and Altitude in Setup menu.

In Setup Mode, press **Enter Key** to select Salinity and Altitude

User input data by pressing **Up/Down Key**.

- (1) Salinity: 0 to 70 ppt. It changes 0.1 for every one press.
- (2) Altitude: 0 to 4,000m. It changes 50m for every one press.

Setup	Cal	Memory	Help	Item
DO				
Salinity		Altitude		
				
Message	05/08/24 15:00:32			
* Move : [Move], Select : [Enter]				
* Save & Exit : [Out]				


Setup	Cal	Memory	Help	Item
DO				
Salinity		Altitude		
				
Message	05/08/24 15:00:32			
* Move : [Move], Select : [Enter]				
* Save & Exit : [Out]				

Setup Cal Memory Help Item	
DO	
Salinity	
0.0 ppt	
Message	05/08/24 15:00:32
* Value setting : [Up] / [Down] * Save & Exit : [Memory]	

Setup Cal Memory Help Item	
DO	
Altitude	
0 meter	
Message	05/08/24 15:00:32
* Value setting : [Up] / [Down] * Save & Exit : [Memory]	

Setting Temp in Setup menu.

In DO Setup Mode, press **Move Key** to move to Temp and press **Enter Key**. The following screen will be shown.

Setup Cal Memory Help Item	
Channel 2	
DO	
	
Message	05/08/24 15:00:32
* RS232 output : Computer * Interval : 0 sec	

Setup Cal Memory Help Item	
Channel 1	
25.0 °C	
Message	05/08/24 15:00:32
* Value setting : [Up] / [Down] * Save & Exit : [Memory]	



ATC Probe is connected with Meter, right display is displayed directly.

And user is able to put temp manually also. If there are quite difference between temp in the Meter and Real Temp, user set correct time by the direction appeared the bottom of screen.


Setting Common in Setup

From this <Setup>, move to <Common> mode by pressing **Move key**.

After pressing **Enter Key**, then below is displayed.

Setup Cal Memory Help Item	
Common	
Time RS232	
 	
Time RS232	
Message	05/08/24 15:00:32
* Move : [Move], Select : [Enter] * Save & Exit : [Out]	

Setup Cal Memory Help Item	
Common	
Time	
05 / 08 / 24 15 : 00	
Message	05/08/24 15:00:32
* Value setting : [Up] / [Down] * Save & Exit : [Memory]	

Setup Cal Memory Help Item						
Common						
RS232						
<table border="1"> <tr><td colspan="2">Interval</td></tr> <tr><td>Min</td><td>Sec</td></tr> <tr><td>00</td><td>00</td></tr> </table> 	Interval		Min	Sec	00	00
Interval						
Min	Sec					
00	00					
Message	05/08/24 15:00:32					
* Value Setting : [Up] [Down] * Save & Exit : [Memory]						

By itemize, it is available to input or change a value following as the message

(1) Time: Available to change <temp> and <date>, which is displayed on the LCD

(2) RS232: Available to input or change a time Interval of <Data-Logging>.

3.1.2 Calibration in DO Mode

- ※ Salinity, Altitude and temp are the factor what is influence to dissolved oxygen. So, user can set this factor in Setup mode and after setting, the values are displayed at bottom of LCD.
- ※ Because of using polarographic Electrode, after power on and user should wait for 20 min for stabilizing.
- ※ Rinse DO sensor with distilled water carefully and remove moisture and put it in the air.

Preparation

Connect DO sensor and ATC probe with Meter (Back side)
 Clearly rinse probe with distilled water and blot dry with tissue.
 Prepare solution for calibrating and magnetic stirrer.
 It takes 20 minutes to polarize probe because of using polarographic sensor.

User stirs solution by using magnetic stirrer constantly.
 DO sensor should be kept saturate solution with oxygen by the bubbling equipment at least 1~2 hours for accurate calibration.


Zero Calibration

There are two ways of **Zero calibration**.
 User can enter cal Mode by using **Move Key**. And press **Enter key**.

- 1) In case of calibration with solution not containing DO, add excess sodium sulfite, Na_2SO_3 , and a trace of cobalt chloride, CoCl_2 , to bring DO to zero. Put probe into this solution.
- 2) In case of calibration without solution, remove probe from Input and press **Measure Key**. If the reading is stable, press **Cal Key**, and then Cal-OK message is displayed in the upper field and set automatically.

Put saturated solution into BOD bottle and cap to minimize the exposure in the air.

In initial DO display, press **Move Key** to change to Cal and press **Enter Key**.

Setup	Cal	Memory	Help	Item
Channel 2				
DO				
				
Message	05/08/24 15:00:32			
* RS232 output : Computer				
* Interval : 0 sec				

Setup	Cal	Memory	Help	Item
DO				
0.00 mg/L				
ATC 25.0°C				
Message	05/08/24 15:00:32			
* Zero Calibration				
* For starting of calibration : [Measure]				

Setup	Cal	Memory	Help	Item
DO				
0.05 mg/L				
ATC 25.0°C				
Message	05/08/24 15:00:32			
* For finish of calibration : [Memory]				

Put probe into a zero solution and press **Measure Key**.
 If data stables, press **Memory/Out Key** to finish calibration using zero solution.

After calibration, the following display will be shown and it automatically changes into second calibration; saturated calibration. Put probe into a saturated solution and press **Measure Key**. If data stables, press **Memory/Out Key** to finish calibration.

Setup	Cal	Memory	Help	Item
DO				
0.00 mg/L				
ATC 25.0°C				
Message		05/08/24 15:00:32		
* Zero calibration is completed.				

Setup	Cal	Memory	Help	Item
DO				
7.98 mg/L				
ATC 25.0°C				
Message		05/08/24 15:00:32		
* For finish of calibraion : [Memory]				

Setup	Cal	Memory	Help	Item
DO				
8.33 mg/L				
ATC 25.0°C				
Message		05/08/24 15:00:32		
* Complete saturate solution.				

After finishing calibration, it automatically moves to DO initial display and calibrated date and method will be shown at the screen.

3.1.3 Memorizing in DO Mode.

While measuring DO, press **Memory/Out Key** and data will be stocked with a following display. Searching for stored data, press **Move Key** in DO initial display to move to Memory. Press **Enter Key** and moves to stocked data mode.

Setup	Cal	Memory	Help	Item
DO				
7.89 mg/L				
ATC 25.0°C				
Message		05/08/24 15:00:32		
* Measured data is saved.				

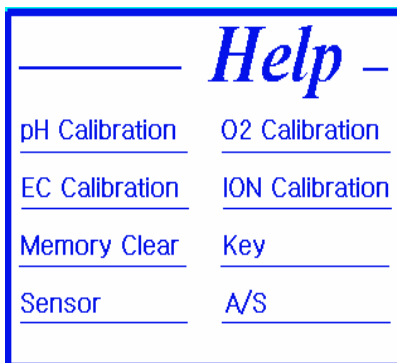
Setup	Cal	Memory	Help	Item
Number [001]				
Date & Time : 05/08/24 15:00				
DO 7.89mg/L Temp 25.0°C				
Message		05/08/24 15:00:32		
* Number change : [Up] / [Down]				
* Exit : [Out]				

Setup	Cal	Memory	Help	Item
Clear				
YES		NO		
16 KByte Memory				
Message		05/08/24 15:00:32		
* Value setting : [Up]/[Down]				
* Select : [Enter]				

It is indicated <Measuring date>, <Time> and <Saved data> besides this, user can search a former date which was saved. If user would like to clear whole memories, press **Memory/out Key** to move **Memory Clear Display** After memory clear, whole data and selected values in Setup Mode will be deleted completely. In case of the instrument can't sense a connected electrode or wrong time settled or wrong data memories are saved, User can try <Memory Clear>.

3.1.4 Help in DO mode

From DO initial display, press **Move Key** to move **Help Mode**



User can select proper language by using **Move Key**, and press **Enter Key** to see the Help Manu in detail.

3.1.5 Measuring pO₂.

While measuring DO, press **Mode Key** for changing pO₂ and DO alternately. Following display is for pO₂.




Setup	Cal	Memory	Help
pO ₂			
0.0 mmHg			
ATC 25.0°C			
Message		05/08/24 15:00:32	
+ In process of measuring.			

3.2 Setting O₂

3.2.1 Setup in O₂ Mode

From the Initial display, select O₂ Item by pressing **Move Key**. After selecting O₂ and press **Memory/Out Key**, then below (right one) is displayed.

Setup	Cal	Memory	Help
O ₂			
DO		O ₂	Air
Message		05/08/24 15:00:32	
* Altitude : 0 meter			

Setup	Cal	Memory	Help
Altitude	Ch1	Common	
	 °C		
Setup	Temp	Common	
Message		05/08/24 15:00:32	
* Move : [Move], Select : [Enter]			
* Save & Exit : [Out]			

From the display, move to Setup by using **Move Key**. Each single item can be selected by pressing **Enter Key**.

Setting Altitude in setup menu


In O₂ Setup, press **Enter Key** and the following display will be shown.

Setup	Cal	Memory	Help
Altitude			
0 meter			
Message		05/08/24 15:00:32	
* Value setting : [Up] / [Down]			
* Save & Exit : [Memory]			

You can change altitude by pressing **Up/Down Key** 50m per a hit.

Setting Temp menu in Setup.

In O₂ DO Setup display, press **Move Key** to move to Temp and press **Enter Key**. The following screen will be shown.



Setup	Cal	Memory	Help
Channel 1			
			
Connect Temp. Sensor			
Message		05/08/24 15:00:32	
* Move : [Move], Select : [Enter]			
* Save & Exit : [Out]			

Setup	Cal	Memory	Help
Channel 1			
25.0 °C			
Message		05/08/24 15:00:32	
* Value setting : [Up] / [Down]			
* Save & Exit : [Memory]			


If the ATC probe is disconnected with the meter, left display with direction "Connect Temp Sensor" is shown. And the ATC is connected with it, you can go to right display directly. And user is able to put temp manually. If there are quite difference between temp in the Meter and Real Temp, you can set correct time by the direction appear the bottom of screen.

Setting Common in Setup menu

In O₂ Setup display, press **Move Key** to move to Common and press **Enter Key**. The following screen will be shown.

Setup	Cal	Memory	Help
Common			
Time		RS232	
			
Time	RS232		
Message	05/08/24 15:00:32		
* Move : [Move], Select : [Enter] * Save & Exit : [Out]			

Setup	Cal	Memory	Help
Common			
Time			
05 / 08 / 24 15 : 00			
Message	05/08/24 15:00:32		
* Value setting : [Up] / [Down] * Save & Exit : [Memory]			

Setup	Cal	Memory	Help
Common			
RS232			
Interval			
Min	Sec		
00	00	COM	
Message	05/08/24 15:00:32		
* Value Setting : [Up] [Down] * Save & Exit : [Memory]			

By itemize, it is available to input or change a value following as the message from the bottom of LCD. You may refer to DO setup for the details.

3.2.2 Calibration in O₂ Mode

In O₂ initial display, press **Move Key** to move to Cal and press **Enter Key**. Then you can see the following display.

Setup	Cal	Memory	Help
O ₂			
0.0 %			
ATC 25.0°C			
Message	05/08/24 15:00:32		
* For starting of calibration : [Measure] * Exit : [Out]			

Setup	Cal	Memory	Help
O ₂			
20.1 %			
ATC 25.0°C			
Message	05/08/24 15:00:32		
* For finish of calibration : [Memory]			

Setup	Cal	Memory	Help
O ₂			
20.9 %			
ATC 25.0°C			
Message	05/08/24 15:00:32		
* Complete saturated.			

If the data stables, press **Memory/Out Key** to finish calibration.

After finishing calibration, it automatically moves to O₂ initial display and calibrated date and method will be shown at the screen.

3.2.3 Memorizing in O₂ Mode

While measuring O₂, press **Memory/Out Key** and measuring data will be stocked.

Setup	Cal	Memory	Help
O ₂			
20.8 %			
		ATC 25.0°C	
Message		05/08/24 15:00:32	
* Measured data is saved.			

Setup	Cal	Memory	Help
Number [001]			
Date & Time : 05/08/24 15:00			
O ₂ 20.4%		Temp 25.0°C	
Message		05/08/24 15:00:32	
* Number change : [Up] / [Down]			
* Exit : [Out]			

Setup	Cal	Memory	Help
Clear			
YES		NO	
16 KByte Memory			
Message		05/08/24 15:00:32	
* Value setting : [Up]/[Down]			
* Select : [Enter]			

If you would like to find the measuring data which you've saved, in the initial display of O₂, move to Memory by pressing Move Key twice. And press **Enter Key** to move memories. You may refer to [DO setup] part for the details.

3.2.4 Help in O₂ Mode.




From initial display of O₂, press **Move Key** three times to move <Help>. After that, press **Enter Key** then, a display is shown as the DO Mode.

3.3 Setting AIR

3.3.1 Setup in AIR Mode.

From the Initial display, select Air Item by pressing **Move Key**. After selecting Air and press Memory/Out Key, then below (right one) is displayed.

Setup	Cal	Memory	Help
Air			
DO	O ₂	Air	
Message	05/08/24 15:00:32		
* Altitude : 0 meter			

Setup	Cal	Memory	Help
Altitude	Ch1	Common	
			
Setup	Temp	Common	
Message	05/08/24 15:00:32		
* Move : [Move], Select : [Enter] * Save & Exit : [Out]			


From the display, move to <Setup> by using **Move Key**. Each single item can be selected by pressing **Enter Key**. You may refer to DO setup for the details.

Setting Altitude in Setup menu.

In AIR Setup, press **Enter Key** and following display will be shown. You can change altitude by pressing **Up/Down Key** 50m per a hit.

Setting Temp in setup menu.

From this Setup, move to Temp mode by pressing **Move Key**. After pressing **Enter Key**, then below is displayed.



Setup	Cal	Memory	Help
Channel 1			
			
Connect Temp. Sensor			
Message	05/08/24 15:00:32		
* Move : [Move], Select : [Enter] * Save & Exit : [Out]			

Setup	Cal	Memory	Help
Channel 1			
25.0 'C			
Message	05/08/24 15:00:32		
* Value setting : [Up] / [Down] * Save & Exit : [Memory]			

If the ATC probe is disconnected with the meter, left display with direction "Connect Temp Sensor" is shown. And the ATC is connected with it, you can go to right display directly. And user is able to put temp manually. If there are quite difference between temp in the Meter and Real Temp, you can set correct time by the direction appear the bottom of screen.

Setting Common in Setup menu.

From this <Setup>, move to <Common> mode by pressing **Move key**. After pressing **Enter Key**, then below is displayed.

Setup Cal Memory Help Item	Setup Cal Memory Help	Setup Cal Memory Help
Common	Common	Common
Time RS232	Time	RS232
 Time RS232	05 / 08 / 24 15 : 00	 COM
Message 05/08/24 15:00:32	Message 05/08/24 15:00:32	Message 05/08/24 15:00:32
* Move : [Move], Select : [Enter] * Save & Exit : [Out]	* Value setting : [Up] / [Down] * Save & Exit : [Memory]	* Value Setting : [Up] [Down] * Save & Exit : [Memory]

By itemize, it is available to input or change a value following as the message from the bottom of LCD. You may refer to DO setup for the details.

3.3.2 Calibration in AIR Mode.

From the Initial display, select Air Item by pressing **Move Key**. After selecting Air and press **Cal Key**, then below is displayed

Setup Cal Memory Help	Setup Cal Memory Help	Setup Cal Memory Help
AIR	AIR	AIR
0.0 %	98.8 %	100 %
ATC 25.0°C	ATC 25.0°C	ATC 25.0°C
Message 05/08/24 15:00:32	Message 05/08/24 15:00:32	Message 05/08/24 15:00:32
* For starting of calibration : [Measure] * Exit : [Out]	* For finish of calibration : [Memory]	* Complete saturated.

If the data stables, press **Memory/Out Key** and finish setup. After finishing calibration, it automatically moves to Air initial display and calibrated date and method will be shown at the screen.

3.3.3 Memory in AIR Mode.

While measuring Air, press **Memory/Out Key** for saving the data.

Setup	Cal	Memory	Help
AIR			
99.5 %			
ATC 25.0°C			
Message		05/08/24 15:00:32	
* Measured data is saved.			

Setup	Cal	Memory	Help
Number [001]			
Date & Time : 05/08/24 15:00			
AIR 99.5 %		Temp 25.0°C	
Message		05/08/24 15:00:32	
* Number change : [Up] / [Down]			
* Exit : [Out]			

Setup	Cal	Memory	Help
Clear			
YES		NO	
16 KByte Memory			
Message		05/08/24 15:00:32	
* Value setting : [Up]/[Down]			
* Select : [Enter]			

If you would like to find the measuring data which you've saved, in the initial display of O₂, move to <Memory> by pressing Move Key twice. And press **Enter Key** to move memories

It is available to be indicated measured data, time and saved-data. Beside this, you also can search the former dates which were saved by using **Up/Down Key**. And if you would like to <Memory Clear>, press **Memory/out Key** to move Memory Clear Display. **After memory clear, whole data and selected values in Setup will be deleted completely.** In case of the instrument can't sense a connected electrode or wrong time settled or wrong data memories are saved, you can try <Memory Clear>

Chapter IV. Data-Logging

4.1 Data-logging in Memory

The measured data is stored by pressing **Memory Key** manually.


If user would like to print the data which is stored in meter, search data stored in instrument by using **Up/down Key**.

<Data -log in DO Mode>

Setup	Cal	Memory	Help
Number [001]			
Date & Time : 05/08/24 15:00			
DO 7.89mg/L		Temp 25.0'C	
Message		05/08/24 15:00:32	
* Number change : [Up] / [Down]			
* Exit : [Out]			

4.2 Data-Logging to Printer & Computer

From each Mode, press [Setup Menu] -> [Common Menu] -> [RS232 Menu]
And below is displayed.

Setup	Cal	Memory	Help						
Common									
RS232									
<table border="1"> <tr> <th colspan="2">Interval</th> </tr> <tr> <th>Min</th> <th>Sec</th> </tr> <tr> <td style="text-align: center;">00</td> <td style="text-align: center;">00</td> </tr> </table>		Interval		Min	Sec	00	00		
Interval									
Min	Sec								
00	00								
Message		05/08/24 15:00:32							
* Value setting : [Up]/ [Down]									
* Save & Exit : [Memory]									

By using **Move Key**, user can move to section of Interval and select 'Printer' or 'Com(PC)'.
When user selected each condition, then the date will be printed at the appointed intervals.
Also it is printed whenever user press **Print Key** regardless of setting conditions.

When user wants to receive the data with regular interval in computer, there are 2 different ways. At first, user gets it via Hyper Terminal at the appointed intervals. Second is via SDIS software which is provided by istek, Inc. (Optional), user can receive and edit the data in MS Excel program easily. And also make a relative graph with the data or other many functions it has.

Chapter V. Troubleshooting & Error Description

MALFUNCTION	POSSIBLE CAUSE	REMEDY
	No power to meter	Press Power key. Check that battery is inserted correctly and polarity signs match.
Out of range reading or unstable reading	Probe failure	Clearly rinse electrode and blot dry. If air bubble is Occurred on membrane, remove air bubble. Check membrane for damage(i.e. holes and leak, etc.) If membrane gets damage, replace Membrane.

If the cause is uncertain, clear memory (data) to eliminate all data.
Refer to Clear Memory (data) of Setup Functions.

* When using Ion Selective Electrodes, refer to ISE manual.

※ If the problem persists, please contact istek, Inc Product Service Department.
(Tel : 82-2-2108-8400, E-mail : istek@istek.co.kr)

Chapter VI. Specifications

Model		DO-350L
DO	Range Resolution Relative Accuracy	0.00 to 19.99 mg/L 0.01/0.1 ±0.5%
O₂	Range Resolution Relative Accuracy	0.0 to 60.0% 0.1% ±1 digit
Air Saturation (%)	Range Resolution Relative Accuracy	0.0 to 1999.9% 0.1% ±1 digit
Temperature	Range Resolution Relative Accuracy	-10 to 60°C 0.1°C ±0.4°C
Salinity Correction		0 to 70ppt
Altitude Correction		0 to 4000m
Data-Logging		500 Point
Temperature Compensation		Auto
Calibration		Auto
Input		One BNC, One ATC, Power, RS232C
Output		RS232C (Computer/Printer)
Power		Adaptor

Chapter VII. Ordering Information

※ Other items contact istek.

For further information on other accessories, please feel free to contact istek at any time.

A. Standard

- * DO Polarographic Electrode (ATC included)
- * DO Membrane and inner filling solution.
- * AC/DC Power Adaptor
- * Instruction Manual

B. Option

- * Interior printer module.
- * Luxury Third-Arm Stand
- * DO Membrane Kit.
- * BOD Adapter
- * RS232C Interface Cable
- * SDIS Program

istek, Inc.

Room 1011 Hanshin IT-Tower, #235 Kuro-Dong, Kuro-Ku, Seoul, Korea

Tel : +82-2-2108-8400

Fax : +82-2-2108-8430

Homepage : <http://www.istek.co.kr>

E-mail : istek@istek.co.kr





Room 1011, Hanshin IT-Tower #235, Kuro-Dong, Kuro-ku, Seoul, Korea

Tel : +82-2-2108-8400 Fax : +82-2-2108-8430
URL : http://www.istek.co.kr E-mail : istek@istek.co.kr

CERTIFICATE OF WARRANTY

*** We guarantee as following,**

- 1. This product has been passed our strict inspection process.
(It comes under the meters with the exception of an electrode)**

- 2. Defects occurring within 2years from delivery date shall be remedied free of charge at our works when it has been used in a normal situation. (But we can make a user pay for mending charge in the case of trouble caused by a careless user.)**

- 3. We will repair the good with fee about problems caused by user's mistake even if warranty period has not been over.**

- 4. Please present this form with the good when you want to repair it.**

- 5. Please keep this certificate with care because this sheet will not be reissued.**

Product name		Warranty period 2 years
Model name		
Serial number		
Manufacturing month/year		

Date. . . , 20
Authorized signature