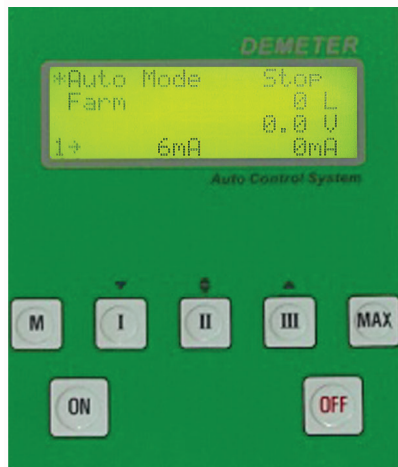# IDD DEMETER
OPERATION MANUAL

1. CONNECTING POWER SUPPLY

A.

B.

1. When power supply is connected, screen will appear as A.

2. If machine is not connected properly, you will hear the buzzer sound.

3. If machine is properly connected, screen will change as B.

2. EXPLANATIONS OF BUTTONS

ON — To start the machine
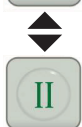(Works in Auto & Semi-auto mode)

OFF — To stop the machine

M — When pressed for more than 2 seconds , it will lead to mode setting.
When selecting mode is finished, press it again to complete the mode setting.

I — To set the concentration of silver water as 1st level.
You can also use this button to change the mode setting.

II — To set the concentration of silver water as 2nd level.

III — To set the concentration of silver water as 3rd level.
You can also use this button to change the mode setting.

MAX — To use high concentrated silver water.
When selecting mode, if you press it for 3 seconds,
you can change default setting from Farm mode to Animal mode and vice versa.

IDD DEMETER
OPERATION MANUAL

3. INITIAL SCREEN

1. Mode
   -You can choose 3 different types of mode:
   Auto, Semi, Menu
2. Operating condition
   -Shown as Run or Stop
3. Farm or Animal Mode
4. Water Flow Screen
   (Indicates the water flow as liter per minute)
5. Supply Voltage
6. Level of concentration of silver water
   - Shown as level I, II, III
   - Maximum level is 4
7. Set current
8. Supply current

4. SETTING UP THE MODE

1. SELECTING MODE
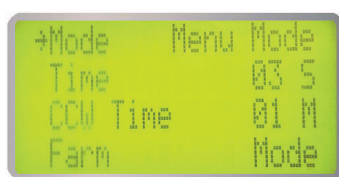by concentration of silver water
1. Farm Mode:
   Normal mode for livestock farms/agricultural farms
2. Animal Mode:
   Use when it is necessary to generate the
   low concentrated silver water

2. SELECTING MODE
by the way of use
1. Auto Mode
   -When you are desired to use
   "ONLY" silver water
2. Semi Mode
   -When you want to choose to use
   the silver water and regular tap water
3. Menu Mode
   -When you want to manually adjust the voltage and
   change the concentration of silver. This mode is for
   authorized technicians, not recommended to be
   used by customers

A.

M If you press on this button for 2-3
seconds , it will change the screen as A.

I **III** By pressing I and III ,you can choose,
Auto,Semi ,Menu mode

MAX By pressing for 2-3 seconds,
you can choose Farm / Animal mode

M You can press this button to complete the setting

4-1. AUTO MODE

This mode is for when you want to use ONLY the silver water.
When the water is running: Machine RUNS
When the water is not running : Machine STOPS

I   **II**   **III**   **MAX**

MODE	I	II	III	MAX
Farm	0.5ppm	1.0ppm	2.0ppm	5.0ppm/10L
Animal	0.3ppm	0.5ppm	1.0ppm	2.0ppm/10L

4-2. SEMI MODE

This is the MODE that you can choose to use silver water or regular tap water.

If you desire to use silver water, turn on the water supply first and press ON button.

If you want to stop using the silver water, simply turn off your water supply or press OFF button.

	I	II	III	MAX
MODE				
Farm	0.5ppm	1.0ppm	2.0ppm	5.0ppm/10L
Animal	0.3ppm	0.5ppm	1.0ppm	2.0ppm/10L

4-3. MENU MODE

This is the MODE that you can manually choose the voltage and change the concentration of silver.
However, this MODE is not recommended to be used by regular customers.
Authorized technicians use this mode to diagnose the machine.

5.METHOD OF GENERATING HIGH CONCENTRATED SILVER

1. Set on AUTO or SEMI AUTO MODE for FARM.
2. Press on the MAX button so that 4 appears on the screen.
3. Adjust the amount of water flow to meet the concentration you desire.
   Concentration of silver(PPM) is providedas chart below.

WATER (LITER PER MIN)	CONCENTRATION (PPM)
20L	3,3 PPM
10L	5,0 PPM
5L	13,2 PPM
2L	33 PPM
1L	66 PPM

6. ERROR INDICATIONS

Comm	Communication Error
OC1	Output over-current error
LVS	Output voltage value error
Low	Output Current Error
TOT	Output Error
Silver+Buzzer Sound	Change Silver Cartridge

*when error occurs, please consult with local dealers and do not disasemble the machine

IDD DEMETER
OPERATION MANUAL

IDD DEMETER SPECIFICATIONS

SPECIFICATION OF MACHINE

Product Name	IDD Demeter
Size	420(width)x450(height)x 180(Deep) millimeter
Weight	6.4 KG
Material	ABS
Power Consumption	120W
Power supply	220V (50~60Hz)
In/out port size	20Ø / (15Ø)
Permitted pressure	0.05 ~ 1.0Mpa
Nano-Silver Ion Active Water Generating Capacity per day	100ton / day (1~90L/min)
Silver Concentration	Adjusted on the controller panel

SPECIFICATION OF EXCLUSIVE CARTRIDGE

Size	420 x 180 x 110
Weight	2.9 KG
Replacing time for cartridge	Depends on ppm / Concentration of use
Using 0.25 ppm	Replace after use of 2.720 tons Water
Using 0.5 ppm	Replace after use of 1.360 tons Water
Using 1.0 ppm	Replace after use of 680 tons Water
Using 2.0 ppm	Replace after use of 340 tons Water