INSTRUCTION MANUAL

Conductivity Meter
TDS/Salt/Temp
CTS-406

Function Mode
Main Display
Unit
Temperature
Battery Indicator

Power
Calibration
Up
Down
Battery Compartment
AC/DC Adaptor
Temp. Probe

Hold
Max/Min

Conductivity Cell

Mode
Store
Recall
Neck Strap

COnDO
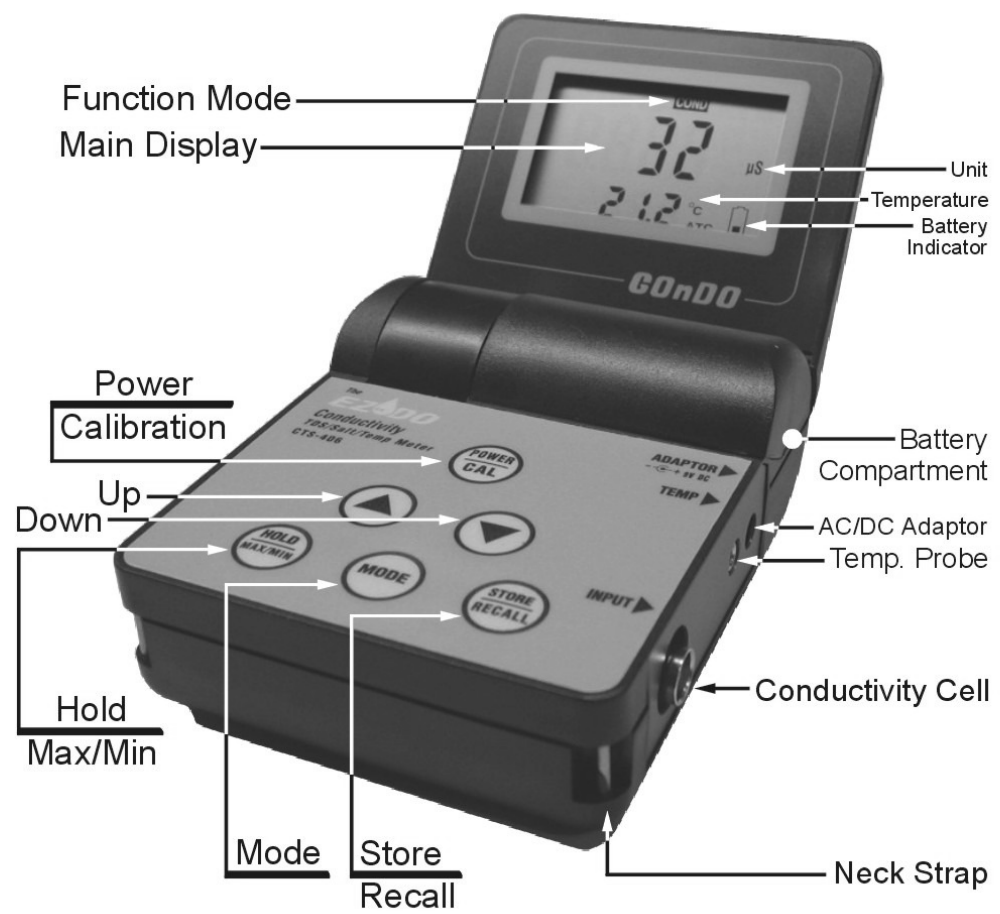
INSTRUCTION MANUAL CONDUCTIVITY

CTS-406 CE

CE

Thank you for selection CTS-406 Conductivity meter. It is possible to measure a wide range of Conductivity, TDS(Total Dissolved Solids), Salinity and Temperature with same electrode. We recommend that you read and follow the manual carefully.

Features:

- Microprocessor based design with large LCD displays Conductivity or TDS or Salinity and Temperature simultaneously.
- Rugged design with splash proof housing for handheld or bench top use, neckstrap for hands-free operation.
- Automatic Temperature Compensation(ATC) and degree C/F switchable.
- Simple to calibrate by one button, 3 ranges of standardizing solution are necessary for the automatic calibration recognition procedure.
- Memory function stores and recalls up to 25 points. MAX/MIN and data Hold,
- Low battery and consumption indicator. Auto shut off after 10 minutes of non use, but except status at MAX/MIN mode.

Specifications:

	Cond.	TDS	Salt	Temp.
Range	0-2000 µS/cm 2.00-20.00 mS/cm	0-1300 ppm 1.30-13.00 ppt	0-1000 ppm 1.00-12.00 ppt	0-100.0 ℃
Resolution	1uS/0.01mS	1ppm/0.01ppt	1ppm/0.01ppt	0.1 ℃
Accuracy	±2% FS+1 digit (Cond., TDS, Salt)			±0.2℃+1 digit
Calibration	Cond.: 0 µS/cm, 1413 µS/cm, 12.88 mS/cm			
ATC	0 to 50.0℃,			
Power	9V battery or AC adaptor(option)			
Dimensions	Meter: 98 x 120 x 48 mm, Kits: 31 x 22 x 8 cm			
Weight	Meter: 260 g (with battery), Kits: 800 g			

Operating procedures:

Accessories:

Upon receiving the shipment, inspect the container and equipment for any signs of damage. Remove the packing list and verify that you have received all equipments:

Meter, Conductivity cell, Standard solution, Battery and Instruction manual

Preparation:

1. Fully extend the hinged cover, open the battery compartment and connect the 9V battery.
2. Remove the protection cap from conductivity cell and connect to INPUT and TEMP connector which beside right of meter
3. Rinse the electrode with clean water and wipe it dry. Turn the meter ON.
   Note: Don't touch or wipe the inner surface of black sensor.

Calibration

Dip the conductivity cell into the standard solution 1413 µS or 12.88 mS which depend on measuring ranges as your request. Stir gently and wait until the display stabilized. Press and hold (POWER CAL) button to into calibration mode until the display appears CAL and flash 1413 µS or 12.88 mS. When the display stop flashing and indicate SA and End then it's end of calibration and return to measurement mode.

Note: The SA will not appear if the calibration fails.

Measurement

1. After calibration, rinse the conductivity cell with clean water and wipe it dry. Dip the conductivity cell into sample solution to be measured. Stir gently and wait until a stable reading can be obtained. The display will appear OL when it is over measuring range.
2. Press (MODE) button to select function mode Conductivity, TDS and Salinity as needed.
3. Press (HOLD MAXMIN) button, the reading value show on display can be locked, and return to measurement mode while pressing button again. Press and hold this button to into measuring MAX and MIN mode until the display appears flash MAX and MIN. The value of maximum and minimum shown on display while pressing button with light. To exit this mode, press and hold this button until MAX and MIN disappear and return to measurement mode.
4. Press (STORE RECALL) button to store the reading value. The storage location number will be displayed followed by the stored reading up to 25 points. Press and hold this button to into recall mode until the last stored reading taken will be displayed first. To recall the stored reading by press (▲) and (▼) button. Press (▲) and (▼) button simultaneously to erase all stored data. Press and hold This button to return measurement mode.

Others

1. Degree ℃ and ℉ can be changed by press and hold (MODE) button.
2. Change a new battery when the battery indicator flashing.