

WATER QUALITY TESTER (CONDUCTIVITY, TDS)



99603
TDS pen



99602
COND pen

Typical conductivity of waters:

Ultra pure water	5.5 · 10 ⁻⁶ S/m (0.055 uS/cm)
Drinking water	0.005 – 0.05 S/m (< 1055 uS/cm)
Sea water	5 S/m (56 mS/cm)
Distill water	0.5uS/cm
Tap water	550~800 uS/cm
Salt water	100 ms/cm

* The conductivity increases as the concentration of ions increases.

* TDS or Total Dissolved Solids is a measure of the total ions in solution. EC is actually a measure of the ionic activity of a solution in term of its capacity to transmit current.

Water hazard level:

TDS(ppm or mg/L) < 500 none , 1000~2000ppm (Moderate) , > 2000pp, (Severe)

FEATURES :

- Pen size fast response, reliable and accurate measurement: Conductivity, TDS
- Electrode replacement is available , easy to calibrate by end user
- Conductivity meter models: 0~19990uS (99602), 0~1999uS (99622)
- TDS (Total Dissolved Solid) meter models: 0~19990ppm (mg/L)(98603) ,0~1999ppm (mg/L)(98632)
- Supplied calibration solution and soaking water, convenient for end users (Cond.TDS)
- Large LCD display 21x18mm ,impact resistant ABS case IP57 rated
- Dimension: 170x33.5mm , weight : 85g (with battery)
- Manual calibration via screw trim pot
- Powered by CR2032 batteries, battery low indication when power is weak
- Auto power off function for saving battery life

Supplied with :

- Conductivity :Meter x1 , Batteries x2, manual x1 , box x1 , Conductivity solution x1 ,soaking solution x1 , screw driver x1
- TDS :Meter x1 , Batteries x 2 ,manual x1 , box x1 , soaking solution x1 , screw driverx1

Application:

- Agriculture. Anti-freeze recycling. Aquarium. Boiler. Chemical industrial . Cooling tower. Drinking water. Fish farming . Food industry . Garden husbandry. Hydroponic. Laboratory usage. Plating industry. Swimming pool & SPA . Water treatment.

REFERENCE:

1ppm TDS = 2uS/cm = 1 mg/L ; 1mS/cm = 1000 uS/cm = 0.1 S/m

	99603 / 99632	99602 / 99622
Type	TDS	Conductivity
TDS range	0-19990 ppm / 0-1999ppm(99632)	N/A
TDS accuracy	±1% FS	N/A
Cond range	N/A	0~19990 μS/cm ,0~1999 μS/cm
Cond accuracy	N/A	±1% FS
Resolution	10 ppm / 1ppm(99632)	10 uS/cm , 1uS/cm(99622)
Power	3V X 2 Lithium battery CR2032	
ATC	YES	N/A
Dimension	Meter: 170x33.5mm	