

Auto Ranging Conductivity/TDS/°C Analyzer

Model: μ ConCal10+ | Make: ANALAB | HSN Code: 90278990



Supplied with Conductivity Cell $K = 1.0$, Temperature Probe, Electrode Stand consists of Clamp, Base Plate & Rod, Dust Cover, DC Adaptor, Operational & Instruction Manual with SOP, Calibration Test Certificate (Without Traceability Document) and Warranty Card.



Technical Specification:

Conductivity Range	: 0 - 20.00, 20 - 200.0, 200 - 2000 μ S/cm, 2 - 20.000, 20 - 200, 200 - 2000 mS/cm for K=1.0 : 0 - 10.00, 10 - 100.0, 100 - 1000 μ S/cm, 1 - 10.000, 10 - 100, 100 - 1000 mS/cm for K=0.5 : 0 - 2.00, 2 - 20.0, 20 - 200, 200 - 2000 μ S/cm, 2 - 20, 20 - 200 mS/cm for K=0.1 (Range value change depending upon cell selection)
Conductivity Resolution	: 0.001, 0.01, 0.1 μ S/cm & 0.001, 0.01, 0.1, 1 mS/cm
TDS Range	: 0 to 10, 100, 1000, 10000 ppm, 100ppt, 1000ppt (Depending on TDS Factor)
TDS Resolution	: 0.001, 0.01, 0.1 ppm & 0.001, 0.01, 0.1 ppt (1ppt=1000ppm)
Temperature Range	: -5.0 to 130.0°C
Temperature Resolution	: 0.1°C
Temperature Compensation	: Auto / Manual
Temperature Coefficient	: Six - 0-10.000 % per °C (Adjustable) - One Per Range
Temperature Calibration	: In-built software and can be calibrated by users
Number of Range	: Six
Calibration Standard	: Six Conductivity & TDS Standard - One Per Range
Calibration Factor	: Six - One Per Range
Range Selection	: Auto / Manual
Suitable Cell Constant	: 0.1, 0.5 & 1.0 K
Adjustable Cell Constant	: 0.09 to 0.11 K, 0.45 to 0.55 K & 0.90 to 1.1 K
Conductivity to TDS Conversion	: 0.40000 to 1.00000 (Adjustable Factor)
Reading	: Conductivity at actual temperature and at 25°C and TDS with scrolling display.
TDS Calibration & Analysis	: In Separate Mode
Error Messages	: “Wrong Standard / Cell”, “Cell Short”, “Cell Open”, “Try Upper Range”, “Try Lower Range”, “Temperature Probe Error” & “Low Memory”
Display	: 16 x 2 Line Alphanumeric Backlit LCD.
Keypad	: Membrane waterproof polycarbonate soft touch keypad compliance to

- UL/ROHS.
- Calibration Data Storage : Non-Volatile Memory which can store, print & view with calibration date & time, cell constant, calibration range, standard conductivity solution, measured conductivity at 25°C, actual temperature, calibration factor, instrument serial number, instrument ID, model number etc.
- Analysis Data Storage : **More than 500** analysis data which can be viewed & Print, company name, analysis date & time, record number, *Username, *Sample Name, *Bath Number/ID, calibration data with date & time, conductivity at 25°C and conductivity at actual temperature, % Tempco, conductivity to TDS conversion factor, TDS, instrument serial number, Instrument Make & Model & *Signature etc. **Secondly**, analysis data can be print online without saving analysis data in Instrument. (*: **Not Possible to enter Data by Instrument Keypad but it will be Handwritten**)
- Searching of data : With record number by scrolling.
- Report Formation** : **As per Non-GLP Compliance**
- Printer Interface : Centronics Parallel Port/ Serial (RS-232 C) Port
- Printer : 40 / 80 Column Dot Matrix Printer (**Printer to be procure optionally**)
- Power Supply : DC Adaptor

Optional

1. IQ/OQ/PQ/DQ Documents

Note: a) Please provide Customer's Name & Address prior to dispatch.

- b) To perform onsite documentation, visit charge will be extra depending upon place of Installation.
- c) Traceability documents along with installation report.
- d) Standards / Chemicals / Buffers required to perform documents are in customer's scope.
- e) We don't send documents by email.

2. Conductivity Cell with Connector (Cell Constant K=0.1)

3. Conductivity Cell with Connector (Cell Constant K=0.5)

4. Magnetic Stirrer with Rod, Electrode Clamp, Stirring Paddle (8 mm ϕ x 6 mm Long) & DC Adaptor. (Recommended for conductivity measurement below 100 μ S/cm for accurate result.)

5. NIST Traceable Conductivity Calibration Solution - 300ml - 1.3 μ S/cm @ 25°C

6. NIST Traceable Conductivity Calibration Solution - 480ml - 5.0 μ S/cm OR 10 μ S/cm @ 25°C

7. NIST Traceable Conductivity Calibration Solution - 480ml - 100 μ S/cm @ 25°C

8. NIST Traceable Conductivity Calibration Solution - 480ml - 1413 μ S/cm @ 25°C

9. NIST Traceable Conductivity Calibration Solution - 480ml - 12.88mS/cm @ 25°C

10. NIST Traceable Conductivity Calibration Solution - 480ml - 111.8mS/cm @ 25°C

11. Keypad Screen Guard

12. Traceability Documents

Available other Models of Conductivity/TDS/°C Analyzer

- Auto Ranging Conductivity/TDS/°C Analyzer Model: ConCal+ (Single Range Calibration)
- Auto Ranging Conductivity/TDS/°C Analyzer Model: μ ConCal5+ (Five Range Calibration)
- Auto Ranging Conductivity/TDS/°C Analyzer Model: μ ConCal10+ (Five Range Calibration with Printing Facility as per Non-GLP Format)
- Auto Ranging Conductivity/TDS/Resistivity/Salinity/°C Analyzer Model: μ ConCal50 (Five Range Calibration with Printing Facility as per GLP Format)
- Auto Ranging Conductivity/TDS/Resistivity/Salinity/°C Analyzer Model: μ ConCal100 with 21 CFR Part-11 Compliance
- Handheld Auto Ranging Conductivity/TDS/°C Analyzer Model: μ ConCalHandheld (Single Range Calibration)

Product Range

- pH/mV/°C/ORP Analyzer
- Conductivity/TDS/Resistivity/Salinity/°C Analyzer
- Multiparameter Analyzer (pH/ORP/Conductivity/TDS/Resistivity/Salinity/°C)
- Karl Fischer Titrator
- Auto Titrator
- Automatic Melting Point Apparatus
- Flame Photometer
- Friability Test Apparatus
- Tablet Dis-integration Test Apparatus
- Tap Density Test Apparatus
- Tablet Hardness Tester
- Leak Test Apparatus
- Tablet Dissolution Test Apparatus
- Electromagnetic Sieve Shaker
- Ultrasonic Bath (Sonicator)
- Analytical Electronics Balance
- Halogen Based Moisture Analyzer
- Visible & UV-Vis. Spectrophotometer
- Nitrogen Gas Generator
- Zero Air Gas Generator
- Combination Nitrogen / Zero Air Gas Generator
- Air Drying Unit for TOC Analyzer
- Dew Point Apparatus
- Gas Handling & Purification System
- Laboratory Furniture & Fume Hood
- Exhaust Hood for AAS/ICP.

ANALAB SCIENTIFIC INSTRUMENTS PVT. LTD.

AN ISO 9001 : 2015 CERTIFIED CO.
CIN: U33110GJ2005PTC046555



Plot No. 361, Sayajimarket,

N. H. No. 8 By-Pass,

At & Post : Sayajipura,

Vadodara - 390019, Gujarat, India.



+91 265 2514404, 9714503393



info@analab.co.in



www.analab.co.in, www.analabscientific.com

