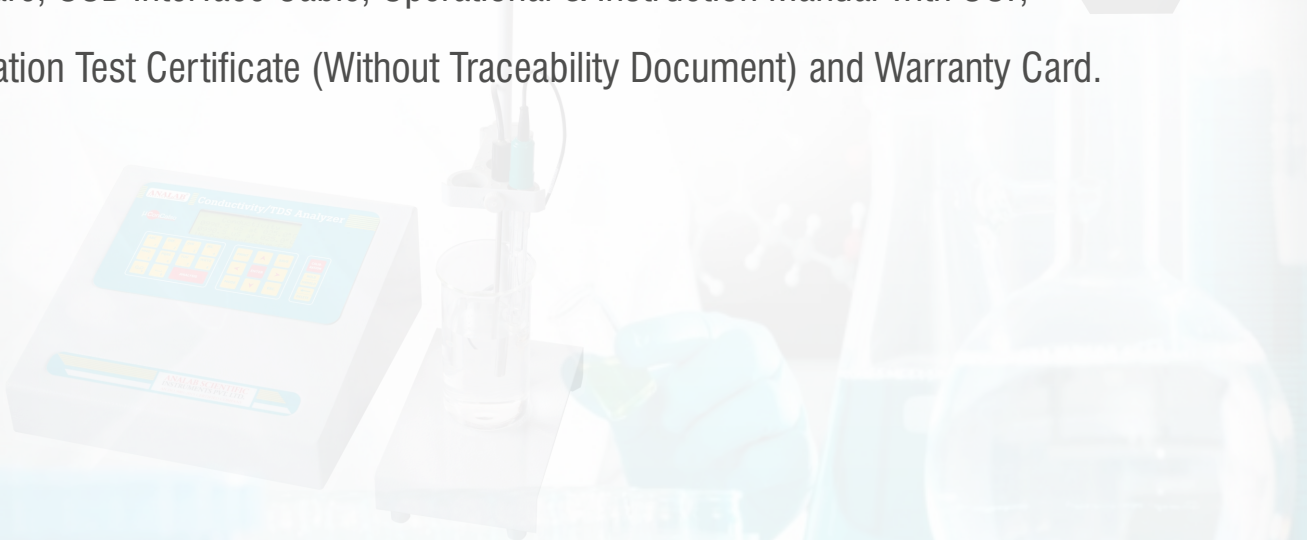


Auto Ranging Conductivity/TDS/Resistivity/Salinity/°C Analyzer

Model: μ ConCal50 | 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, ANALABsafe software, USB Interface Cable, 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 $\mu\text{S}/\text{cm}$, 2 - 20.000, 20 - 200, 200 - 2000 mS/cm for $K=1.0$: 0 - 10.00, 10 - 100.0, 100 - 1000 $\mu\text{S}/\text{cm}$, 1 - 10.000, 10 - 100, 100 - 1000 mS/cm for $K=0.5$: 0 - 2.00, 2 - 20.0, 20 - 200, 200 - 2000 $\mu\text{S}/\text{cm}$, 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 $\mu\text{S}/\text{cm}$ & 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) |
| Resistivity Range | : 20.00 $\text{M}\Omega$ to 50.00 $\text{K}\Omega$, 5.00 $\text{K}\Omega$, 500.00 Ω , 50.00 Ω , 0.50 Ω |
| Resistivity Resolution | : 0.001 |
| Salinity | : 0.01 to 80000.0 ppm NaCl |
| Temperature Range | : -5.0 to 130.0 $^{\circ}\text{C}$ |
| Temperature Resolution | : 0.1 $^{\circ}\text{C}$ |
| Temperature Compensation | : Auto / Manual |
| Temperature Coefficient | : Six - 0-10.000 % per $^{\circ}\text{C}$ (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 $^{\circ}\text{C}$, TDS, Resistivity & Salinity 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 | : 20 x 4 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 750 analysis data can be stored with corresponding calibration data with company name, analysis date & time, record number, batch number / ID, sample name, username, conductivity at 25°C and conductivity at actual temperature, % Tempco, conductivity to TDS conversion factor, TDS, resistivity, salinity, instrument serial number, instrument ID, model number etc. Secondly , analysis data can be print online without saving analysis. |
| Searching of data | : With record number, batch number/ID, date, date range and by scrolling. |
| Report Formation | : As per GLP Compliance |
| Password Protection | : Date & Time, Calibration Mode, Analysis Mode & Delete Stored Analysis Data. |
| 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 |

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)
- 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

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
- Ultrasonic Bath (Sonicator)
- Analytical Electronics Balance
- Halogen Based Moisture Analyzer
- 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



Optional

01. 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.

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

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

04. 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.)

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

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

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

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

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

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

11. Third Arm Stand

12. GMP Enclosure made up of Stainless Steel

13. 40 / 80 Column dot matrix printer

14. Keypad Screen Guard

15. Traceability Documents

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- 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)
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- Automatic Melting Point Apparatus
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- Friability Test Apparatus
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- Tap Density Test Apparatus
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- Leak Test Apparatus
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- Electromagnetic Sieve Shaker
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- 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.

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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

