

Auto Ranging Conductivity/TDS/°C Analyzer

Model: μ ConCal5+ | 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 mS/cm for K=1.0 : 0 - 10.00, 10 - 100.0, 100 - 1000 μ S/cm, 1 - 10.000, 10 - 100.00 mS/cm for K=0.5 : 0 - 2.00, 2 - 20.0, 20 - 200, 200 - 2000 μ S/cm, 2 - 20 mS/cm for K=0.1
Conductivity Resolution	: 0.001, 0.01, 0.1 μ S/cm & 0.001, 0.01, 0.1 mS/cm
TDS Range	: 0 to 10, 100, 1000, 10000, 100000 ppm (Range value change depending upon cell selection)
TDS Resolution	: 0.001, 0.01, 0.1 ppm & 0.001, 0.01 ppt (1ppt=1000ppm)
Temperature Range	: 0.0 to 130.0°C
Temperature Resolution	: 0.1°C
Temperature Compensation	: Auto / Manual
Temperature Coefficient	: Five - 0-10.000 % per °C (Adjustable) - One Per Range
Temperature Calibration	: In-built software and can be calibrated by users
Number of Range	: Five
Calibration Standard	: Five Conductivity & TDS Standard - One Per Range
Calibration Factor	: Five - 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 & TDS with scrolling Display.
Error Messages	: “Wrong Standard / Cell”, “Cell Short”, “Cell Open”, “Try Upper Range”, “Try Lower Range” & “Temperature Probe Error”.
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 & view calibration cell constant, calibration range, standard conductivity solution, measured conductivity at 25°C, actual temperature, calibration factor etc.
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.

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