



Advance Multi-Parameter Analyzer Conductivity, TDS, Temp.

Model 6308CT

Improve quality control, reduce process downtime, enhance research and development, meet regulations, all while keeping cost low.

The Right Features To Measure, Analyze And Control Conductivity, TDS And Temperature

Accurate and stable readings.

3 programmable on/off relays: 2 for conductivity and 1 for temperature.

Accepts 2-wire or 4-wire conductivity cells for K=0.1, K=1 and K=10 cell constants for improved flexibility and accuracy.

Displays 3 selectable conductivity and TDS ranges per cell constant for a total of 18 ranges.

Automatic temperature compensated (ATC) conductivity readings.

Programmable temperature coefficient.

Programmable hysteresis for customized control.

Isolated and reversible 4-20 mA current output for conductivity. This output can be used as a proportional output.

RS-485 output for remote access via an IBM compatible computer. This allows multiple units to be connected, ganged, together.

Large, Graphical, Backlit LCD Display

Simultaneous display of: conductivity, temperature, cell constant, temperature coefficient, relay status and transmitter current mA output.

Clear, bright LCD with manual backlight switch for added visibility in dark working conditions.

Quick And Easy Setup, Intuitive Operation

Setup and calibration are done through a friendly, user-guided menu.

Convenient one point calibration and calibration data is stored in memory and is ready for use on power up.

Included panel mount bracket tightly secures the analyzer.

Standard ¼ DIN size.

Standard terminal blocks for tinned leads connectors.

Low Maintenance

Performs self-diagnostic at power up to ensure proper operation.

Analyzer is in a complete watertight case (IP65).

Membrane keypad with tactile and audio feedback improves durability and usability.

Password protection ensures the right people have access to change settings.

Specifications

	Range	Resolution	Accuracy
Conductivity, K=0.1	0.000 to 9.999 uS/cm	0.001 uS/cm	± 0.5 % ± 1 LSD
	10.00 to 99.99 uS/cm	0.01 uS/cm	± 0.5 % ± 1 LSD
	100.0 to 300.0 uS/cm	0.1 uS/cm	± 0.5 % ± 1 LSD
Conductivity, K=1	100.0 to 999.9 uS/cm	0.1 uS/cm	± 0.5 % ± 1 LSD
	1.000 to 9.999 mS/cm	0.001 mS/cm	± 0.5 % ± 1 LSD
	10.00 to 30.00 mS/cm	0.01 mS/cm	± 0.5 % ± 1 LSD
Conductivity, K=10	1.000 to 9.999 mS/cm	0.001 mS/cm	± 0.5 % ± 1 LSD
	10.00 to 99.99 mS/cm	0.01 mS/cm	± 0.5 % ± 1 LSD
	100.0 to 300.0 mS/cm	0.1 mS/cm	± 0.5 % ± 1 LSD
TDS, K=0.1	0.000 to 5.000 ppm	0.001 ppm	± 0.5 % ± 1 LSD
	5.000 to 50.00 ppm	0.01 ppm	± 0.5 % ± 1 LSD
	50.00 to 150.0 ppm	0.1 ppm	± 0.5 % ± 1 LSD
TDS, K=1	50.00 to 500.0 ppm	0.1 ppm	± 0.5 % ± 1 LSD
	0.500 to 5.000 ppt	0.001 ppt	± 0.5 % ± 1 LSD
	5.000 to 15.00 ppt	0.01 ppt	± 0.5 % ± 1 LSD
TDS, K=10	0.500 to 5.000 ppt	0.001 ppt	± 0.5 % ± 1 LSD
	5.000 to 50.00 ppt	0.01 ppt	± 0.5 % ± 1 LSD
	50.00 to 150.0 ppt	0.1 ppt	± 0.5 % ± 1 LSD
Temp	- 10.0 to 120.0 °C	0.1 °C	± 0.3 °C

General

Conductivity:

Adjustable Reference Temp.	10 to 29 °C
Adjustable Temp. Compensation	0.00 to 4.99 %
Temperature Compensation	Auto

Temperature:

Temperature Sensor	Thermistor, 10.00 k ohm at 25 °C
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4-20 mA Analog Output:

Current Output Range	4 to 20 mA (isolated), programmable span
Current Output Scale	User programmable, linear or log
Maximum Load	500 ohm
Accuracy	± 0.02 mA
Isolation Voltage	500 V DC

Relays:

Control Type	3 ON/OFF controls
Relay Output	5 A at 115 V AC or 2.5 A at 220 V AC, resistive load only

Other:

Power Supply	115 V AC or 230 V AC at 50/60 HZ
Security	4-digit password
Communication	RS-485
Display	128 x 64 graphical LCD with backlight
Ambient Temp. Range	0 to 50 °C
Case	IP65, 1/4 DIN case, 148 mm depth
Weight	950 g

Accessories

General purpose or custom electrodes

NEMA 4 enclosures

