

A-1000XP TOC Analyzer Specifications

The Anatel A-1000XP Extended Performance TOC Analyzer offers the highest accuracy and reliability available in the monitoring of ultrapure water systems with Total Organic Carbon detection at levels as low as 0.02 ppb TOC (parts per billion) at a resolution of 0.001 ppb. This remarkable performance allows detection of even the smallest TOC changes within water systems.

PERFORMANCE SPECIFICATIONS

Automatic TOC Mode —

Operating Range —	
XP Mode:	0.02 to 1,999 ppb as carbon
Standard Mode:	2.00 to 1999 ppb as carbon
Repeatability:	±0.05 ppb
Sample Water Temperature Range:	18 °C to 32 °C (65 °F to 90 °F)
Sample Water Resistivity Range:	15.0 to 18.2 MΩ-cm
Inlet Pressure:	100 psig maximum (690 kPa)
Alarm Function:	indicates when the A-1000XP exceeds suitable TOC, resistivity or temperature range



P/N FG1002701

Purge (Resistivity/Conductivity) Mode —

Operating Range:	
Resistivity:	0.01 to 18.20 MΩ-cm
Conductivity:	0.05 to 100 microsiemens/cm
Temperature Compensation:	To 25 °C over entire range of 0 °C to 100 °C (based on a NaCl model)
Display Resolution:	Three significant figures as resistivity Four significant figures as conductivity
Accuracy (<i>instrument-to-instrument</i>):	±0.05 ppb (MDL to 0.999 ppb) 0.1 ppb (1.000 to 1.999 ppb) ±0.5 ppb or 5%, whichever is greater (2 to 1999 ppb)
Resolution:	0.001 ppb
Detection Limit (@25 °C, 3X Std. Dev.):	0.02 ppb

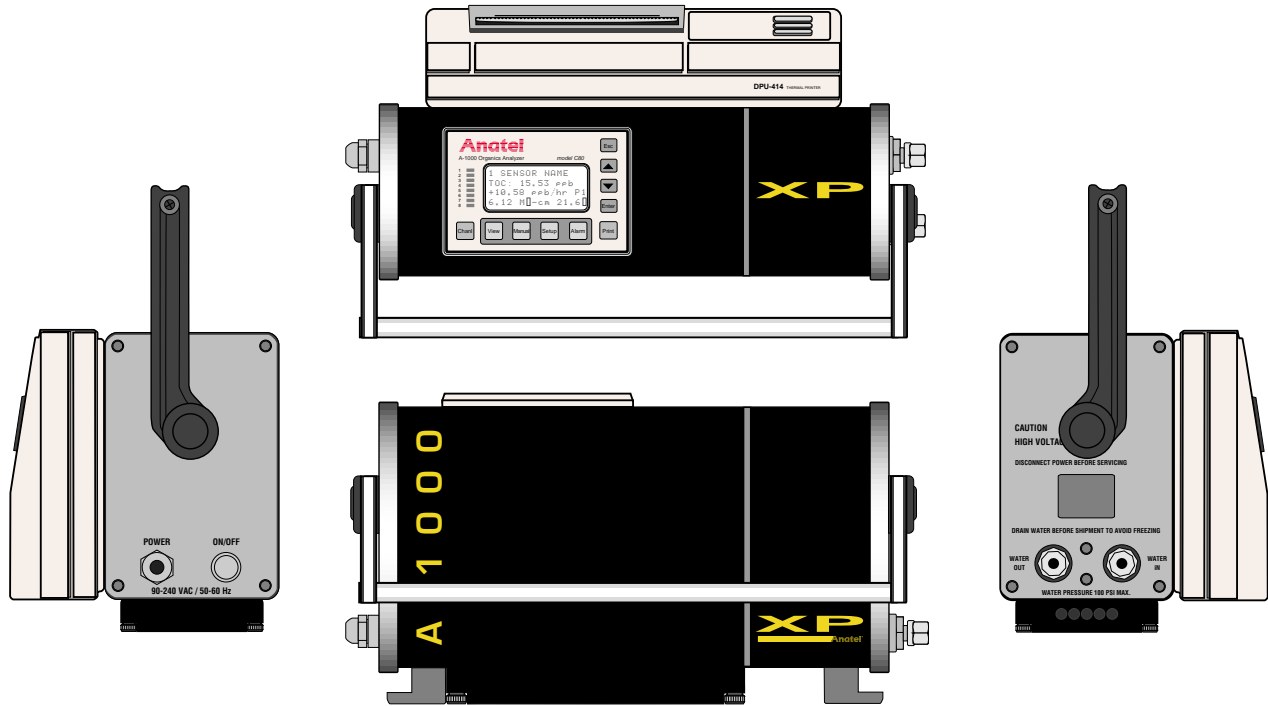
PHYSICAL SPECIFICATIONS

General —

Installation Category:	II, IEC 1010
Pollution Degree:	2, IEC 664

Anet Network Capacities —

Type:	RS-485
Maximum Sensors:	8
Maximum C80 Controllers (any configuration):	8
Maximum Network Length:	1 km (3,000 ft)
Network Cabling:	Shielded Twin-axial, Twist-Lock BNC



Display —

Main: 4-line x 16-character Super-Twist LCD
 Backlighting (adjustable): Yellow LED
 Character Height: 0.163"

Physical —

Operating Temperature: 0 °C to 35 °C (32 °F to 95 °F)
 Maximum Relative Humidity: 90% RH
 Maximum Altitude: 4,000 m (13,125 ft)
 Size: 330 mm L x 172 mm W x 112 mm D (13.0" L x 6.8" W x 4.4"D)
 Weight: 8.25 kg (16.5 lb)
 Analysis Cell Volume: 7.5 mL
 Power: 85 to 264 VAC ±10%, 50/60 Hz
 Power Consumption: 2 Amps max. @ 120 VAC,
 1 Amp max. @ 230 VAC

Sample Water —

Temperature Range: 18 °C to 32 °C (64 °F to 90 °F)
 Resistivity Range: 15 to 18.2 MΩ-cm

I/O Connections —

Analog: Opto-isolated 4-20 mA output
 Non-isolated 12 VDC output @ 1/2 Amp max.
 Digital I/O: Two opto-isolated inputs
 Two opto-isolated outputs
 Serial Interfaces: RS485 opto-isolated Network
 RS232 Data Acquisition
 RS232 Printer
 RS232 Diagnostics

Note: A-1000XP specifications are subject to change without notice.