

A-1000 Model S20 TOC Analyzer Specifications

The Model S20 Sensor combines the standard Model S10 Sensor, a C80 Controller, a handle and feet to furnish a portable TOC monitoring instrument.

PERFORMANCE SPECIFICATIONS

Automatic TOC Mode —

Operating Range:	0.05 to 1999 ppb as carbon
Repeatability:	±0.05 ppb < 5 ppb TOC ±5% > 5 ppb TOC
Minimum Input Resistivity:	5.0 MΩ-cm for all waters 1.0 MΩ-cm for neutral waters 0.2 MΩ-cm for water with CO ₂ as sole conductive species
Ambient Operating Temperature:	
S10 Sensor:	5 °C to 40 °C (41 °F to 104 °F)
S20/S20P Sensor:	5 °C to 35 °C (41 °F to 95 °F)
Sample Water Temperature:	0 °C to 100 °C (32 °F to 212 °F)
Inlet Pressure:	100 psig maximum (690 kPa)
Display Resolution:	0.00 to 19.99 ppb 20.0 to 199.9 ppb 200 to 1999 ppb



P/N FG1000501

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:	±2% over 0 °C to 100 °C range

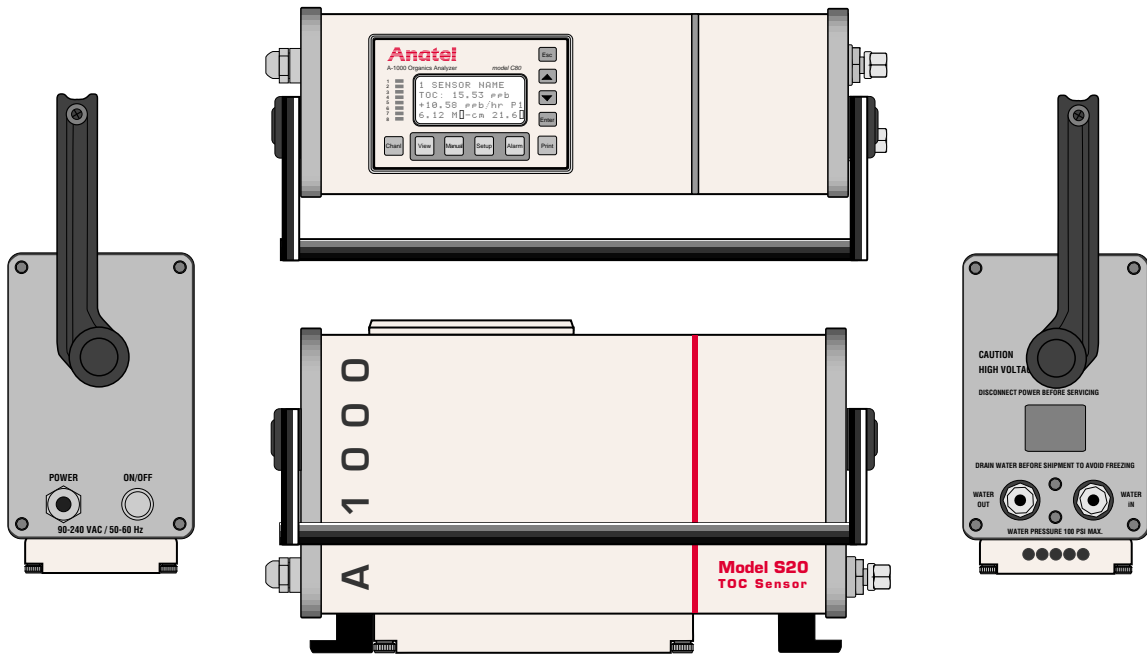
PHYSICAL SPECIFICATIONS

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: 7 kg (14 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

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-1000 Model S20 specifications are subject to change without notice.