OPC DATA MANAGEMENT
2920 OPC DATA MANGER & 2925 OPC SERVER
YSI's OPC data management technology seamlessly acquires data from both off-line and on-line YSI analyzers and exports your data into any OPC-enabled SCADA, bioprocess management system or data historian. Our OPC Data Manager and OPC-enabled online monitoring systems feature an internal web server, which allows easy remote access using a web browser. Whether you are networking a single bioreactor system, an entire PD lab or multiple labs or suites, YSI’s OPC data management options provide simple connectivity and data management solutions for your process systems.

**2920 OPC Data Manager**
- Add-on module for off-line YSI 2900 Series biochemistry analyzers or YSI 2900M/2950M Online Monitoring & Control Systems
- Add-on module for off-line YSI 2900 Series biochemistry analyzers or YSI 2900M/2950M Online Monitoring & Control Systems
- Internal web server
- Remote access using IP address and web browser
- Performs extensive error tracking and management
- Sleek, modular design

**2925 OPC Server Software**
- Software for YSI 2920, YSI 2940, and YSI 2980
- Fully compliant OPC UA (Universal Architecture)
- OPC Server only, communicates to OPC-enabled systems with OPC Client
- Exports data into any OPC-enabled system

**YSI OPC Server System Requirements**
- OS: Windows 7, 32/64 bit
- Ethernet connectivity
- 512 MB RAM
- 10 MB of available hard disk space
- Mouse pointing device

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**YSI OPC Connectivity and Systems Integration**
## Specifications

### Exterior Housing Design

- **Housing Material/Color:** Material: Aluminum Extrusion Steel  
  Color: Glacier White, PFW50059 or equivalent

### Electrical

- **External Power Supply:** Auto-sensing: 100 – 240 VAC input voltage
- **Power Output:** 60 W
- **System Requirement:** 12 VDC, 5 A
- **Regulatory Compliance:**
  - 2920 OPC Data Manager: CE (EN 55022/EN 55024/EN 55032/EN 60950-1), RoHS, FCC
  - Power Supply: UL, IEC, CE (EN 55022/EN 55024/EN 55032/EN 60950-1), RoHS, Efficiency Level 6
  - *Product assembled at ISO 9001:2015 certified facility

### CPU

- **Rear I/O:** 2 USB 2 Ports, 2 Gb LAN Ports, 1 Line-out Connector, 2 HDMI Ports, 1 DC-Jack
- **Front I/O:** 1 USB 2 Port, 1 USB 3 Port, 1 RS-232/422/485 COM Port, Power Button
- **Storage:** 128 GB mSATA SSD

### Physical

- **Dimensions:** Width: 14.2cm (5.6 in)  
  Height: 6.2cm (2.4 in)  
  Depth: 10.7cm (4.2 in)
- **Mounting Options:** DIN-mount, VESA-mount, Wall-mount
- **Monitor:** Not included
- **Accessories:** 7ft RJ45 Ethernet Crossover Cable, 6ft RS-232 Null Modem Cable, AC Power Adapter
- **AC Power Adapter:** Width: 11cm (4.3 in)  
  Height: 6.2cm (2.4 in)  
  Depth: 3.2cm (1.3 in)
- **Case Type:** Compact Fanless

### Environmental

- **Ambient Temperature:**
  - Operation: 18 – 29°C (64 – 82°F)  
  - Storage: -20 – 60°C (-4 – 140°F)
- **Relative Humidity:**
  - Operation: 20 – 80% non-condensing  
  - Storage: 10 – 80% non-condensing
- **Method of Disposal:** Electronic waste

### Software

- **Application/Branding:** Manufacturer’s web-based software will be used and preloaded on system  
  Software branded per buyer’s specifications
- **OPC Server Option:** Manufacturer’s OPC software will be branded per buyer’s specifications  
  Communication via Ethernet using SOAP server
- **Language Capability:** English only
- **OPC:** DA - Requires Matrikon UA Tunneller  
  UA - Client
- **Remote Access Capable:** Remote monitoring using system IP address via TCP/IP communication
- **System Identification:** Basic system identification available for viewing to include:  
  Serial number, software version, IP address
- **Alarms and Failure Modes:** System alarms and associated messaging per buyer’s and manufacturer’s specifications
- **Data Export:** Basic data export package should include:  
  Date, Time, Vessel #, Chemistry, Value, Unit of Measurement
- **Data Viewing:** Data viewing options include both tables and graphs  
  Graphing feature to allow user-defined parameters
YSI Life Sciences develops and manufactures scientific instruments, sensors and systems that serve a variety of scientific and industrial markets worldwide. YSI has a long history in the life sciences and bioanalytical markets, most notably with our introduction of the world’s first commercial whole blood glucose analyzer in 1975. Today there are over 10,000 YSI instruments installed around the world, trusted in critical situations to provide the most accurate data in the shortest time.