

# QualityWorX CTS DataHub

## Turnkey data storage and analytics for Sentinel instruments



### HIGHLIGHTS

- ✓ Fully turnkey solution
- ✓ Connect up to five Sentinel I28 instruments
- ✓ Easy set up: start collecting and analyzing data in minutes
- ✓ All test and part data, including digital process signatures
- ✓ Data and trend analysis with advanced software analytics

### DESCRIPTION

Manufacturers can make the most of the advanced capabilities of the Sentinel I28 through the addition of QualityWorX® data management and analytics. The turnkey solution aggregates data from up to five I28 instruments into an analytics database for on-demand usage. From providing complete traceability data and proof of compliance in an easy to access format to enabling continuous optimization and quick response to issues affecting testing, the addition of QualityWorX to the Sentinel I28 brings Manufacturing 4.0 to leak and flow test.

### QUALITYWORX CTS DATAHUB COMPONENTS

- Host PC
- Integrated QualityWorX database
- Sciometric Studio analytics software

### Data Collected

Part serial number<sup>1</sup>

Part type<sup>2</sup>

Section, station<sup>2</sup>

Test type

Test results

Test limits

Digital process signatures (pressure and flow waveforms, where applicable)

### Review Trends by any Data Type

Statistics: part counts, pass/fail count, statistics for features

Histogram of values

Trend by serial number or time stamp

Station/Task: Pareto or judgment

Overlay waveforms

Histogram and trend of feature values and ranges

**See the Sciometric Studio datasheet for details.**

<sup>1</sup> If serial numbers are not being collected by the I28, they will be replaced by unique test IDs.

<sup>2</sup> Labels must be configured.

## HOST PC SPECIFICATIONS

System	
Processor	Intel® Skylake Core i5
CPU Performance	2.3 GHz
System Memory (RAM)	8 GB
Data Storage	128 GB
I/O Ports	
USB 3.0	4
RS232	2x RS-232 DB-9
Video	1 HDMI, 1 DVI
Power Supply	24 V max. 2 A
Ethernet	4 RJ45 GbE <sup>3</sup>
General	
Dimensions	277.8 x 230 x 86.7 mm
Weight	4.5 kg
Power Supply Voltage	9-36 VDC
Operating Temperature	0°-50° C (32°-122° F)
Humidity Range	10% to 90% @ 40° C (104° F) Non-Condensing
Certification	CE / FCC Class A Certification, UL 60950
Mounting	
Wall Mount; DIN Rail Optional	
Display	
Screen Size	19"
Type of Backlight	TFT-LCD
Screen Resolution	1024 x 768

## STORAGE AND ARCHIVING

- Up to 10 GB active storage for trending and quick data retrieval. Inquire about QualityWorX Enterprise if your active data storage and retrieval needs are higher.

<sup>3</sup> An optional Ethernet switch can be used to directly connect five instruments.

<sup>4</sup> Not compatible with the following test types: Sequential Linking, Ramp to ΔP Event, Ramp to Input Event, Ramp to Flow Event, Ramp to Proof, Percent Volume, Percent Volume – Pressure Decay Leak Std.

## SOFTWARE

Operating System	Windows® 10
Database	SQL Server local DB QualityWorX 3.42 5 QualityWorX Sentinel I28 Data Connections (V1.52)
Analytics	Sciometric Studio LT V1.52

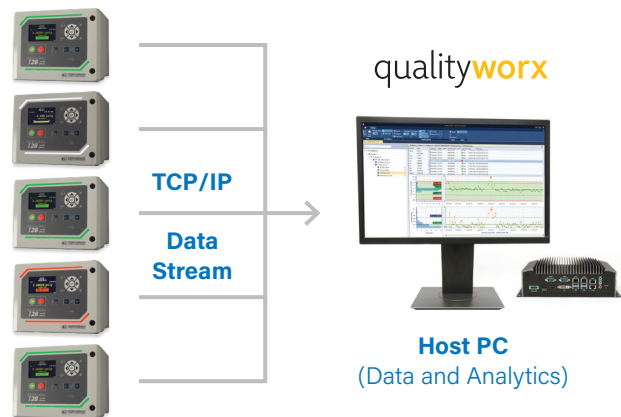
## REQUIREMENTS

The QualityWorX CTS DataHub works with any Sentinel I28<sup>4</sup>. Other Sentinel instruments will soon be added—contact factory for details.

In-field firmware update may be necessary for QualityWorX CTS DataHub communications.

## CONNECTION OPTIONS

Data is retrieved from the Sentinel instruments via TCP/IP using the Ethernet port. Units can be directly connected to the QualityWorX CTS DataHub or connected through the local area network.



## SCALE TO MORE STATIONS

Whether it's to add more CTS leak testers or to consolidate data from other tests and stations across the production line into one database, QualityWorX can expand to meet the requirement. Talk to us about the options.