QualityWorX CTS DataHub

Turnkey data storage and analytics

WINNER! New Product of the Year Award at The ASSEMBLY Show 2018

HIGHLIGHTS

- ✓ Fully turnkey solution
- ✓ Connect up to five devices
- ✓ 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

FOR CTS LEAK TEST INSTRUMENTS AND SCIEMETRIC sigPOD

Manufacturers can make the most of the advanced capabilities of their CTS leak test instruments and Sciemetric sigPOD in-process test and monitoring systems through the addition of QualityWorX® data management and analytics. The turnkey solution aggregates data from up to five devices 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 makes it easy to implement a Manufacturing 4.0 data strategy.

QUALITYWORX CTS DATAHUB COMPONENTS

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

SCALE TO MORE STATIONS

Don't stop at five! Learn how QualityWorX can expand to collect data across the production line from Cincinnati Test, Sciemetric and other systems and consolidate into a single Manufacturing 4.0 database.

Data Collected
Part serial number[1]
Part type[2]
Section, station[2]
Test type
Test results
Test limits
Digital process signatures
Review Trends by any Data Type
Statistics: part counts, pass/fail count, statistics for features
Trend by serial number or time stamp
Station/Task: Pareto or judgment
Overlay waveforms
Histogram and trend of feature values and ranges

See the *Sciemetric Studio* datasheet for details.

[1] *Serial numbers not collected are replaced by unique test IDs.*

[2] *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[3]
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.
- Data archiving feature for data retention and traceability.

SOFTWARE

Operating System	Windows® 10 Professional
Database	Microsoft SQL Server 2012 Express QualityWorX V 4.0 Local Data Service 5 QualityWorX data connections
Analytics	Sciemetric Studio LT

REQUIREMENTS

CTS Leak Test Instruments

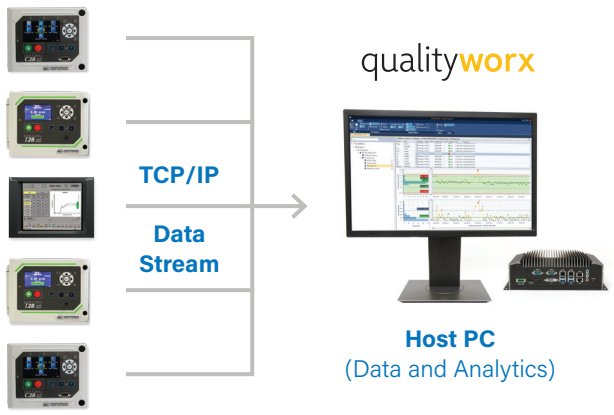
The list of instruments supported by the QualityWorX CTS DataHub is continually growing. Contact factory for details. In-field firmware update may be necessary for QualityWorX CTS DataHub communications.

Sciemetric sigPOD

Works with sigPOD with InspeXion 8.4 or newer. An upgrade to the sigPOD unit may be required for communication to the QualityWorX CTS DataHub.

CONNECTION OPTIONS

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



[3] *An optional Ethernet switch can be used to directly connect five instruments.*