qualityworx

sciemetric

CTS Gateway

The QualityWorX CTS Gateway enables the collection and management of data from Cincinnati Test Systems (CTS) Sentinel instruments and the CTS-Schreiner LPC-528 into a QualityWorX database. Analysis of the data can be done using the reporting and analytics tools that form part of the QualityWorX suite to optimize test stations, and for faster issue resolution.

Features and Benefits

- Provides a centralized, accessible and traceable record of all leak tests.
- Ability to consolidate CTS test data with that of other production processes for a more complete part history and better ability to track source of issues and defects.
- Data includes full digital process signatures (waveforms) with the ability to analyze and overlay them utilizing Sciemetric Studio and QualityWorX Dashboard.
- The collection of data keeps up with production and is available in real-time.

Overview

The QualityWorX CTS Gateway is licensed per device connected to the database.

Data from the CTS instrument is pushed using TCP/IP via the device's Ethernet port and is sent to a gateway application, which resides on a host system (PC or application server). The gateway application decodes the data and sends it through the connector to the QualityWorX database. The gateway supports up to 10 CTS connections, and can be expanded in increments of 10 connections. Additional host systems may be required for configurations requiring more than 20 connections.

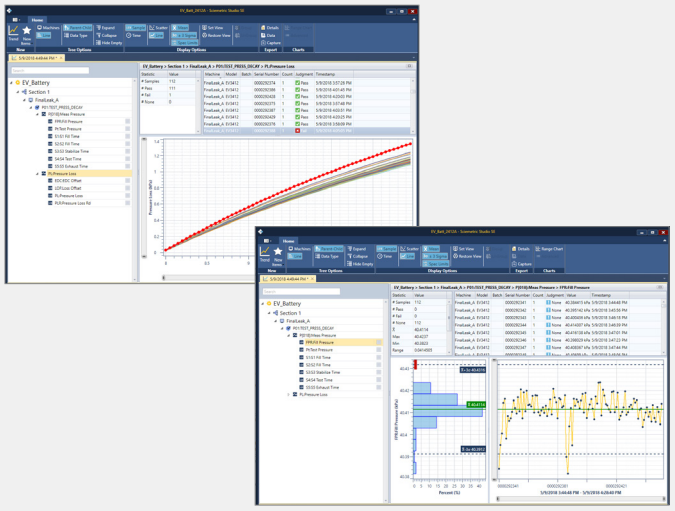
The QualityWorX CTS Data Connector is compatible with Sentinel I28, C28, A28 and CTS Schreiner LPC 528 instruments, with more being added soon. Contact your representative for further information.

If the goal is to connect data from a small number of CTS Sentinel instruments, consider the QualityWorX CTS DataHub. It is a turnkey solution that enables the collection and analysis of data for up to five systems.

The data collected includes the following, noting that some configuration of labels may be required:

- Part serial number*
- Part Type
- Section, Station
- Test type
- Test results
- Test limits
- Digital process signatures

* If data is being aggregated with other production line data, serial numbers must be collected by the system. Contact us for options regarding the collection of serial number data from other types of systems.



Specifications

The CTS Gateway application can be installed on any computer or application server meeting the requirements below and must be connected to the target QualityWorX database server via an Ethernet connection.
(Note: for optimal database performance, the application must not be installed on the QualityWorX server.)

HARDWARE, MINIMUM REQUIREMENTS

- Processor: Quad core, 2 GHz minimum, 64-bit
- Memory: 8 GB
- Available Disk Space: 10 GB, plus space for data buffering

SOFTWARE

- Operating System: Windows 7 or 10, 64-bit

OTHER

- Works with QualityWorX v3.4x and higher. If you are using an older version of QualityWorX, contact Sciemetric.
- Firmware upgrade on CTS instrument may be required.
- Please consult the QualityWorX datasheet for the server and other requirements to run a QualityWorX database.

CTS and Sciemetric: better together for manufacturing

CTS and Sciemetric are subsidiaries of the TASI Group. Together we provide solutions from leak test to any test to deliver quality and productivity in a data-driven Manufacturing 4.0 world. Visit our Web sites or talk to your CTS or Sciemetric representative for more information.

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