

General Specifications

GS 04Q01A01-01E

Yokogawa Temperature Uniformity Survey (TUS) Software

Overview

Yokogawa TUS software allows users to quickly and easily generate Temperature Uniformity Survey reports using data files from DXAdvanced DX series and SMARTDAC+ GX/GP series electronic recording instruments. In conjunction with these recording instruments, this software produces reports that comply with AMS2750E requirements for Temperature Uniformity Survey work.

The TUS software allows users to enter a wide range of custom report information and settings including graphics and company logos. These settings can be saved to any number of profiles that can be recalled for future report generation. A TUS report is generated from the specified data range and settings in the profile, and it is saved as a secure PDF file for direct printout, archiving, and email attachment. The secure PDF report files cannot be edited or altered.

Specifications

Item	Description
Number of survey channels	Up to 128
Maximum survey channels in each group	DXA: 10 GX/GP/GM: 20
Number of control channels	Up to 128
Number of setpoints	Up to 48
Stability criteria	Up to 10,000 deg C, up to 10,000 minutes
T/C correction factors	Automatically read from DX models with /AS option when Calibration Correction is used Automatically read from GX/GP/GM models with /AH option when sensor correction is used
Instrument correction factors	Automatically read from DX models with /AS option when Calibration Correction is used Automatically read from GX/GP/GM models with /AH option when instrument correction is used
Number of thermal images	Up to 6 (BMP, JPG, JPEG)
Printing samples	Printer and/or PDF
Print data samples	1 to 60 minutes

Supported Products and File Types

Yokogawa Recorder	File Type
DX/FX	*.dds
DXAdvanced/FX	*.dad, *.dae, *.dsd, *.dse
GX/GP/GM	*.gds, *.gev, *.gsd, *.gse

Dialog Windows & Functionality

Launching:

When launching the TUS software, the “Initial Data Entry” dialog window opens as described below.

Navigation panel:

On the left side of every dialog window there is the navigation panel, which contains a 2-level tree. Upper level has the entry for every available section of the dialog window. If that window section has several tab sections, each tab section will be displayed in the navigation pane as an inner tree level. User can hide the navigation pane and open it again using a “pin” button.

Profiles:

All information, entered in any section of most of dialog windows can be saved and then, when opening it again – last entered information will be loaded again as retained data. Information from any specific report generation session can be saved as a separate profile and users can create new profiles and attach entered data to a new profile or delete existing profiles. Profile management is implemented and described in details in the section “Settings ➔ Company Details”.

Licensing:

The TUS software is license protected for installation on a single PC. An activation file is generated following installation. This file is sent via email to Yokogawa, and a license file is returned to the user to complete the installation.

Operating System

Operating System
Windows XP
Windows 2003 Server
Windows Vista
Windows 7 (32-bit)
Windows 7 (64-bit)
Windows 2008 Server (32-bit)
Windows 2008 Server R2 (64-bit)
Windows 2012 Server

Part Number & Suffix Code

Part Number	Suffix Code	Description
M1286VB	N/A	Yokogawa Temperature Uniformity Software
M1286YK	N/A	USB License Dongle

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Survey report number: 002714
Customer: ACME Anal Co
Furnace Identifier: 1969

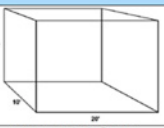
Make: Heat Encoder Type: Shad/Heat Mk2 KW: 1900

Chamber: A

Category: 2

Customer Specification: ACME Anal Co

Complies with: Limitations for use:

Thermocouple Locations: 

Note: This oven holds up to 4 (4 by 4 by 7) load carts

Setpoint	Uniformity	Uniformity achieved	Highest TC value	Lowest TC value
750.0	+5.0/-5.0	PASS	751.7	751.7

Test Temperatures: 750.0

Stability Period: UNIT 750.0

Approved for use: Steve Byron

Tested by: Wayne C Coyne

Block zone dimensions:

Width (x/y)	Height (x/y)	Volume(z)
20.000	10.000	200.000


Location Comments:

Report Generated by Yokogawa T-Cell Reporting Software V1.0
Report: Block Parameters & Location

Thermal Survey Report

Navigation Pane

- Initial Data
- Initial Data
- Data Sources
- Channel setup
- Setpoint Setup
- Survey Data
- Stability criteria
- Thermal images
- Generate
- Trends Setup
- Settings

YOKOGAWA  **Thermal Survey Report**
Version 1.0

Initial Data

Equipment Data

Make:

Type:

KW:

Serial No:

Chamber:

Category:

Report generated by:

Select profile:

Survey information:

Survey result:

Certificate No.:

Next survey due: 10 Oct 2014

Customer Data:

Customer:

Limitations to use:

Complies with:

Survey Engineer:

Approved by:

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