

# DataPRO v1.9

## Settings Manual

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## Introduction

This document describes DataPRO settings controlled by the DataPRO.exe.config file and their default settings. These settings can be used to change some of the operating conditions of DataPRO.

This manual was written based on the DataPRO.exe.config file used with version 1.9.451. Other versions may have fewer or additional settings. If there is a setting in your DataPRO.exe.config file that is not listed here, please contact DTS Support through the “Submit a request” feature on the DTS Help Center.

## Settings Structure

Each DataPRO installation will have a config file that can be modified. The config file is found in the root installation folder (C:\DTS\DTS.Suite\Version\DataPRO\Datapro.exe.config)

All changes to the DataPRO.exe.config file must be made while DataPRO is closed. Some of the settings in the config file are used to set default values that can be modified through the DataPRO user interface.

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## General Settings

<b>DefaultUserName</b>		Default	Blank/No value
Options	NA	Location	NA
Description	User name is stored in user config file if “Remember Password” is checked at login.		

<b>DefaultUserSecurityToken</b>		Default	Blank/No value
Options	NA	Location	NA
Description	Password is encrypted and this encrypted value is stored in user config file if “Remember Password” is checked at login.		

<b>GeneratePDFReports</b>		Default	True
Options	True, False	Location	NA
Description	If true, will create PDF versions of all reports.		

<b>DisplayReportPDF</b>		Default	False
Options	True, False	Location	NA
Description	If true, will automatically open/display PDF reports once created.		

<b>GenerateExcelReports</b>		Default	True
Options	True, False	Location	NA
Description	If true, will create Excel versions of all reports.		

<b>MaxLogFileSize</b>		Default	4194304
Options	Numeric values	Location	NA
Description	The size of the log file before it archives and starts a new file.		

<b>LocalDBUser</b>		Default	DataPROUser
Options	Varies	Location	NA
Description	SQL Server installation user name. Ignored if NTLM authentication is set to true.		

<b>LocalDBPassword</b>		Default	taco\$bueno
Options	Varies	Location	NA
Description	SQL Server installation password. Ignored if NTLM authentication is set to true.		

<b>DBType</b>		Default	1
Options	0,1	Location	NA
Description	1 = Local installation, 0 = SQL Server installation		

<b>SampleRateAAFilterRatio</b>		Default	5
Options	Numeric values	Location	NA
Description	Defines the target hardware anti alias filter rate for a given data collection sampling rate.		

<b>DisplayStackTraceOnError</b>		Default	False
Options	True, False	Location	Misc
Description	If true displays additional information when DataPRO has an unhandled exception.		

<b>ISOMMEDbLocation</b>		Default	ISO\\mme_code.mdb
Options	File path	Location	NA
Description	Defines location of ISO MME database.		

<b>LocalDbHost</b>		Default	your db host here
Options	Varies	Location	NA
Description	Database host for a SQL Server installation.		

<b>Cs3User</b>		Default	CS3User
Options	Varies	Location	NA
Description	Only used when directly connecting to a CrashSoft3 Database. Defines the user login.		

<b>Cs3Pwd</b>		Default	CS3PWD
Options	Varies	Location	NA
Description	Only used when directly connecting to a CrashSoft3 Database. Defines the user password.		

<b>Cs3Host</b>		Default	CS3Host
Options	Varies	Location	NA
Description	Only used when directly connecting to a CrashSoft3 Database. Defines the host/server.		

<b>Cs3DbName</b>		Default	CS3DbName
Options	Varies	Location	NA
Description	Only used when directly connecting to a CrashSoft3 Database. Defines the name of the db.		



<b>CS3UseNTLM</b>		Default	False
Options	True, False	Location	NA
Description	Only used when directly connecting to a CrashSoft3 Database. If true, will use Windows authentication/login to connect to CS3 database.		

<b>AllowCS3Import</b>		Default	False
Options	True, False	Location	NA
Description	If true, will allow option to import from CS3 in Sensor Database UI.		

<b>UseNTLMAuthentication</b>		Default	False
Options	True, False	Location	Database
Description	If true, will use NTLM to authenticate with SQL server.		

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## Communication Settings

<b>HardwareDiscovery_MulticastAutodiscoveryChecked</b>		Default	False
Options	True, False	Location	Discover Hardware
Description	Reports the state of SLICE/SLICE6 auto discover chosen in the discover hardware nav step.		

<b>ReconnectTimeWaitMS</b>		Default	10000
Options	Numeric values	Location	Arm
Description	Defines the time to wait when reconnecting to data recorders after collecting data without maintaining communication.		

<b>QueryConfigDelayMS</b>		Default	7000
Options	Numeric values	Location	Hardware
Description	Defines the time to wait before DataPRO stops attempting to connect to more data recorders before querying the system.		

<b>SLICEConcurrentDelayMs</b>		Default	10
Options	Numeric values	Location	Misc
Description	Delay in ms after a command is executed on a SLICE device before further processing occurs.		

<b>SLICEConcurrentSpots</b>		Default	30
Options	Numeric values	Location	Misc
Description	The number of SLICE devices that can be actively communicating at the same time.		

<b>StrandedLockTimeoutHours</b>		Default	1
Options	Numeric values	Location	Test Setup
Description	Used test setup record locking. Time period for a Test Setup to remain open, locked, and unchanged before DataPRO considers it abandoned and removes the lock for other users to make changes. A test setup is locked once a user opens it up for editing.		

<b>EnableAutoDiscoverUDPBroadcast</b>		Default	True
Options	True, False	Location	Query Hardware
Description	If True, UDP broadcasts will be used when detecting and connecting to hardware.		

<b>SemaphoreSpots</b>		Default	3
Options	Numeric values	Location	Misc
Description	Controls how many TDAS devices are able to communicate simultaneously.		

<b>SemaphoreDelay</b>		Default	10
Options	Numeric values	Location	Misc
Description	Controls the amount of delay in ms imposed on TDAS communication between commands as a form of throttling communication. Some TDAS devices have limitations on how much data can be passed through them and SemaphoreSpots and SemaphoreDelay are used to prevent the communication bus from being flooded.		

<b>QueryConfigDelayMS</b>		Default	7000
Options	Numeric values	Location	Query Hardware
Description	DataPRO will wait the specified delay before querying connected hardware in Data Recorders, Group, Test Setup, and Record tiles.		

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## Database Settings

<b>DiagnosticsSampleRateHz</b>		Default	10000
Options	Numeric values	Location	Sensor Database
Description	Used during Read IDs Measure Bridges		

<b>EditSensorsDefaultImportType</b>		Default	Blank/No value
Options	CSV, SIF, XML, EQX, TTS, TDCSensorDatabase, TDMCSVExport, CS3	Location	Sensor Database
Description	Saved to the user config file after importing a file into the sensor database. Will default to this file type on next sensor import.		

<b>AllowedShuntTypes</b>		Default	Emulation, None
Options	None, Emulation, Internal, External	Location	Sensor Database
Description	Defines the possible shunt types displayed in Sensor Database.		

<b>SquibDefaultLowTolerance</b>		Default	1
Options	Numeric values	Location	Sensor Database
Description	Default low tolerance value for new squib sensors.		

<b>SquibDefaultHighTolerance</b>		Default	8
Options	Numeric values	Location	Sensor Database
Description	Default high tolerance value for new squib sensors.		

<b>DefaultDigitalOutputMode</b>		Default	FVLH
Options	FVLH, FVHL, CCNO, CCNC	Location	Sensor Database
Description	Options for Digital Output sensors.		

<b>DefaultDigitalInputMode</b>		Default	CCNO
Options	THL, TLH, CCNO, CCNC	Location	Sensor Database
Description	Options for Digital Input sensors.		

<b>TDCSensorDatabaseImportEncoding</b>		Default	Shift-JIS
Options	Varies	Location	Sensor Database
Description	Defines the native language if (characters are present) when importing a sensor database from TDAS Control.		

<b>DefaultTDCSensorDatabaseFolder</b>		Default	..\SensorDatabase
Options	File path	Location	Sensor Database
Description	Defines the default folder when exporting to TDC sensor database format		

<b>DefaultTDCSensorDatabaseFile</b>		Default	SensorDatabase.CSV
Options	File name	Location	Sensor Database
Description	Defines the default file name when exporting to TDC sensor database format.		

<b>ExportTDCOnly</b>		Default	False
Options	True, False	Location	Sensor Database
Description	If true, checkbox to export only TDC compatible sensors will be checked.		

<b>TDCSensorDatabaseExportUseCurrentLocale</b>		Default	False
Options	True, False	Location	Sensor Database
Description	If true, will use current culture (dates, list separator, etc.) when exporting to TDC sensor database.		

<b>AverageOverTimeStartSeconds</b>		Default	-0.05
Options	Numeric values	Location	Sensor Database
Description	Defines the default start of Average Over Time window for new sensors.		

<b>AverageOverTimeEndSeconds</b>		Default	-0.02
Options	Numeric values	Location	Sensor Database
Description	Defines the default end of Average Over Time window for new sensors.		

<b>SquibDefaultOutputCurrent</b>		Default	1.5
Options	Numeric values	Location	Sensor Database
Description	Defines the default output current setting for squib channels		

<b>EQXUseSerialNumberFieldForSN</b>		Default	False
Options	True, False	Location	Sensor Database
Description	If true, will use serial number tag as serial number for EQX import. If false, will use name tag as serial number.		

<b>SquibDefaultDurationMS</b>		Default	2
Options	Numeric values	Location	Sensor Database
Description	Default duration value for adding new squib sensors.		

<b>SupportedSquibFireModes</b>		Default	CAP,CONSTANT
Options	Contact DTS if other options are needed	Location	Sensor Database
Description	Capacitor Discharge or Constant Current.		

<b>DefaultZeroMethod</b>		Default	1
Options	Numeric values	Location	Sensor Database
Description	Default zero method for new sensors. 0 = Average Over Time 1 = Diagnostic Level 2 = Absolute Zero		

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## Prepare Settings

<b>ArmChecklistRequiredIfTOM</b>		Default	True
Options	True, False	Location	Test Setup
Description	If true, Perform arm checklist, Check squib resistance, and Require all units pass arm checklist will be checked (and can't be unchecked) in new test setups.		

<b>AllowAutoArm</b>		Default	False
Options	True, False	Location	Test Setup
Description	If true, a checkbox to set DAS to Auto Arm will be available in the Test Setup.		

<b>TDCINIFilePath</b>		Default	Blank/No value
Options	File path	Location	Test Setup
Description	Defines the default location for the TDC ini file when importing a tsf.		

<b>TDCINIFilename</b>		Default	Blank/No value
Options	File name	Location	Test Setup
Description	Defines the default file name for the TDC ini file when importing a tsf.		

<b>DefaultTestImportMethod</b>		Default	0
Options	0, 1, 2, 3, 4	Location	Test Setup
Description	Default format for DataPRO Test Setup import. 0 = blank 1 = XML 2 = ISF 3 = TSF 4 = CSV		

## Diagnostics Settings

<b>AllowedShuntErrorPercent</b>		Default	5
Options	Numeric values	Location	Diagnostics
Description	Allowable shunt measurement deviation before flagged as an error.		

<b>AllowedNoisePercent</b>		Default	1
Options	Numeric Values	Location	Diagnostics
Description	Allowable percentage of noise before flagged as an error. Calculated as a percent of ADC full scale.		

<b>AutoZeroPercentDeviationAllowed</b>		Default	5
Options	Numeric values	Location	Diagnostics
Description	Allowable percentage of AutoZero deviation before flagged as an error. AutoZero Deviation is calculated using measured final offset ADC/ADC available.		

<b>AllowedExcitationErrorPercent</b>		Default	2
Options	Numeric values	Location	Diagnostics
Description	Allowable percentage of excitation error before flagged as an error.		



## Realtime Settings

<b>RealtimeDelayBetweenPolls</b>		Default	4
Options	Numeric values	Location	Realtime
Description	Delay in ms between requests to SLICE device for samples in Realtime.		

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## Record Settings

<b>ArmCheckForDataTimeoutMilliseconds</b>		Default	120000
Options	Numeric Values	Location	Check Hardware
Description	Maximum amount of time we wait for units to reply when we ask them if we they have data to download		

<b>ArmServiceArmNowTimeout</b>		Default	600000
Options	Numeric Values	Location	Arm
Description	Max amount of time to wait for units to reply to the command to Arm.		

<b>DownloadFolder</b>		Default	..\Data
Options	File location	Location	
Description	Default data download location.		

<b>AllowBackgroundFlashClear</b>		Default	False
Options	True, False	Location	Run Test
Description	False is advised. If true will allow G5 flash to clear while other processes are happening.		

<b>ShowEmptyChannelsInSummary</b>		Default	False
Options	True, False	Location	Reports
Description	If true, empty/unassigned hardware channels will be displayed in Test Summary report.		

<b>IgnoreTOMSwitchNotSafe</b>		Default	False
Options	True, False	Location	Run Test
Description	If true, warnings of TOM in armed state will be suppressed.		

<b>RepeatWarningIfUnincludedDASBeforeArming</b>		Default	True
Options	True, False	Location	Run Test
Description	If true, warning of additional/unincluded DAS will be repeated at Arm step.		

<b>TOMWarmupDelayMS</b>		Default	20000
Options	Numeric values	Location	Run Test
Description	Defines the hardware warmup time at Arm if TOMs are included in test.		

<b>OnlyWarnIfTOMSwitchNotSafe</b>		Default	False
Options	True, False	Location	Run Test
Description	If true, user is warned but allowed to download data if TOMs are armed.		

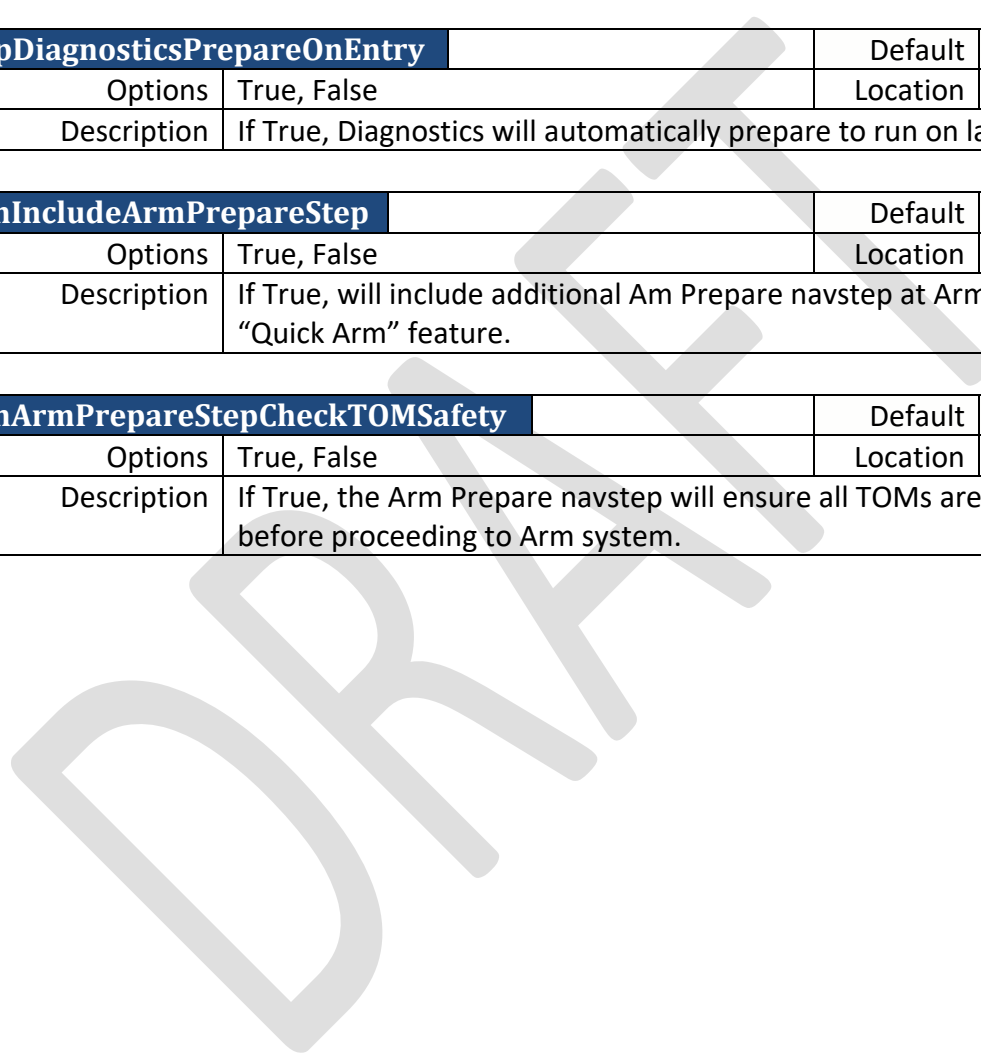
<b>AllowTriggerCheckBypass</b>		Default	True
Options	True, False	Location	Run Test
Description	If true, there will be an option to bypass the trigger check step.		

<b>HaltArmChecklistOnSquibFailure</b>		Default	True
Options	True, False	Location	Run Test
Description	If True, will stop Arm Checklist if Squib resistance fault is detected.		

<b>StopDiagnosticsPrepareOnEntry</b>		Default	True
Options	True, False	Location	Diagnostics
Description	If True, Diagnostics will automatically prepare to run on landing.		

<b>ArmIncludeArmPrepareStep</b>		Default	False
Options	True, False	Location	Run Test
Description	If True, will include additional Am Prepare navstep at Arm. Enable for "Quick Arm" feature.		

<b>ArmArmPrepareStepCheckTOMSafety</b>		Default	True
Options	True, False	Location	Run Test
Description	If True, the Arm Prepare navstep will ensure all TOMs are in safe mode before proceeding to Arm system.		



## Review Settings

<b>MaximumVisualizationBytesPerSample</b>		Default	2
Options	NA	Location	View Data
Description	Value used in a calculation to determine whether an event is too large to view in the viewer.		

<b>DisplayChannelName2</b>		Default	True
Options	True, False	Location	View Data
Description	If true, in View Data, it will display the ISO channel name in upper right corner of data window.		

<b>DisplayHardwareChannelName</b>		Default	True
Options	True, False	Location	View Data
Description	If true, in View Data, it will display the hardware channel connection in upper right corner of data window.		

<b>GraphAutoRangeFixedMinPercentageOfFullScale</b>		Default	6.6
Options	Numeric values	Location	View Data
Description	Percentage of full scale value that is displayed when viewing data.		

<b>ReviewCursorColor</b>		Default	Green
Options	Colors	Location	View Data
Description	Indicates color of cursor in view data.		

<b>δThorax</b>		Default	15.65
Options	Numeric values	Location	View Data
Description	Values used for ITRACC calculations.		

<b>δAbdomen</b>		Default	0
Options	Numeric values	Location	View Data
Description	Values used for ITRACC calculations.		

<b>D0Thorax</b>		Default	141.8
Options	Numeric values	Location	View Data
Description	Values used for ITRACC calculations.		

<b>D0Abdomen</b>		Default	150.9
Options	Numeric values	Location	View Data
Description	Values used for ITRACC calculations.		

<b><math>\delta</math>ThoraxLower</b>		Default	15.65
Options	Numeric values	Location	View Data
Description	Values used for ITRACC calculations.		

<b>D0ThoraxLower</b>		Default	141.8
Options	Numeric values	Location	View Data
Description	Values used for ITRACC calculations.		

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## Export Settings

<b>UseZeroForUnfiltered</b>		Default	False
Options	True, False	Location	ISO Export
Description	If true will replace Filter class designation of P in ISO code with 0.		

<b>ExportISOChannelName</b>		Default	False
Options	True, False	Location	Export
Description	If true, ISO Channel Name is exported. If false, Sensor Description is exported.		

<b>DefaultDataPROSensorDatabaseFile</b>		Default	DataPROSensorDatabase.xml
Options	File name	Location	Sensor Database
Description	Defines the default file name for a sensor database export.		

<b>RequireXCrashCompatibilityForISOExports</b>		Default	True
Options	True, False	Location	Data Export
Description	Ensures completeness of ISO metadata fields for XCrash compatibility.		

<b>OutputCCCSV</b>		Default	False
Options	True, False	Location	Data Folder
Description	If True, DataPRO will export additional data file containing input channels for each calculated channel.		

<b>CaptureAttributesSLICE6</b>		Default	True
Options	True, False	Location	Log files
Description	If True, DataPRO will record attributes for SLICE 6.		

<b>CaptureAttributesSLICE2</b>		Default	True
Options	True, False	Location	Log files
Description	If True, DataPRO will record attributes for SLICE 2.0.		

<b>CaptureAttributesSLICE1_5</b>		Default	True
Options	True, False	Location	Log files
Description	If True, DataPRO will record attributes for SLICE 1.5.		

<b>CaptureAttributesSLICE1</b>		Default	True
Options	True, False	Location	Log files
Description	If True, DataPRO will record attributes for SLICE 1.0.		

<b>CaptureBridgeAttributes</b>		Default	True
Options	True, False	Location	Log files
Description	If True, DataPRO will record Bridge attributes.		

<b>CaptureEventAttributes</b>		Default	True
Options	True, False	Location	Log files
Description	If True, DataPRO will record Event attributes.		

<b>CaptureBaseAttributes</b>		Default	True
Options	True, False	Location	Log files
Description	If True, DataPRO will record Base attributes.		

<b>CaptureAttributesOnDownload</b>		Default	True
Options	True, False	Location	Log files
Description	If True, DataPRO will record system attributes during Download navstep.		

<b>CaptureAttributesOnArm</b>		Default	True
Options	True, False	Location	Log files
Description	If True, DataPRO will record system attributes during Arm navstep.		

<b>UploadSetups</b>		Default	True
Options	True, False	Location	Run Test
Description	If True, DataPRO will include Test Setup file with Data Upload.		

<b>UploadReports</b>		Default	True
Options	True, False	Location	Run Test
Description	If True, DataPRO will include report files with Data Upload.		

<b>UploadLogs</b>		Default	True
Options	True, False	Location	Run Test
Description	If True, DataPRO will include log files with Data Upload.		

<b>UploadExports</b>		Default	True
Options	True, False	Location	Run Test
Description	If True, DataPRO will include export files with Data Upload.		

<b>UploadBinaries</b>		Default	True
Options	True, False	Location	Run Test
Description	If True, DataPRO will include binary files with Data Upload.		

<b>UseISOCodeForDiadem200</b>		Default	True
Options	True, False	Location	Data Export
Description	If True, will export the ISO Code for DIAdem line 200.		

<b>EGV20CompatibleDiadem</b>		Default	True
Options	True, False	Location	
Description	If True, will add line 215 to DIAdem header, and is compatible with xCrash EGV 2.0 plugin.		

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## Unused/Customer Specific Settings

<b>UseISOCodesInReview</b>		Default	False
Options	NA	Location	NA
Description	Legacy from SliceWare. Not currently used in DataPRO.		

<b>UseShuntDeflectionInReview</b>		Default	True
Options	NA	Location	NA
Description	Legacy from SliceWare. Not currently used in DataPRO.		

<b>ReviewForm_UseCalSigInReview</b>		Default	True
Options	NA	Location	NA
Description	Legacy from SliceWare. Not currently used in DataPRO.		

<b>SliceDBHostNameOrIPAddress</b>		Default	NA
Options	NA	Location	NA
Description	Legacy from SliceWare. Not currently used in DataPRO.		

<b>TDASHostNames</b>		Default	NA
Options	NA	Location	NA
Description	Legacy from SliceWare. Not currently used in DataPRO.		

<b>AutoDiagnostic_Setting</b>		Default	0
Options	NA	Location	NA
Description	Legacy from SliceWare. Related to Auto Arm mode, not currently used in DataPRO.		

<b>CalWarningPeriodDays</b>		Default	7
Options	NA	Location	
Description	Not used.		

<b>DasWarningPeriodDays</b>		Default	7
Options	NA	Location	
Description	Not used.		

<b>RealtimeGarbageCollectionInterval</b>		Default	600
Options	NA	Location	NA
Description	Not used.		

<b>EditSensorsTDMLevelTriggerFileName</b>		Default	Level Trigger Setup File.csv
Options	NA	Location	NA
Description	Used for a customer specific import file.		

<b>AllowedVoltageInsertionErrorPercent</b>		Default	1
Options	Numeric values	Location	Diagnostics
Description	Carry over from SliceWare, not currently used in DataPRO. Allowed deviation for the measured vs target cal signal value when using a cal signal with IEPE.		

<b>AllowedGainErrorPercent</b>		Default	2
Options		Location	
Description	Carry over from SliceWare, not currently used in DataPRO. Controls the percent deviation from a target gain vs the measured gain that is allowed in diagnostics.		

<b>RealtimeCollapseAllChannelInfo</b>		Default	False
Options	NA	Location	Realtime
Description	Not currently used in DataPRO. Designed to hide/display the information for each channel in Realtime.		

<b>TestingMode</b>		Default	False
Options	NA	Location	NA
Description	Don't modify. Used for development testing.		

<b>MasterDBHost</b>		Default	Blank/No value
Options	NA	Location	NA
Description	Not currently used in DataPRO.		

<b>TSF_Read_SIF_Protocol</b>		Default	READ NONE
Options	NA	Location	
Description	Not currently used in DataPRO.		

<b>SquibDefaultFireMode</b>		Default	CAP
Options	CAP,CC, CONSTANT, AC	Location	Test Setup import
Description	Used for a customer specific import file.		

<b>DefaultTestTTSExportPreTrigger</b>		Default	0.1
Options	Numeric values	Location	Test Setup
Description	Defines the pre-trigger export time for a customer specific export.		

<b>DefaultTestTTSExportPostTrigger</b>		Default	0.1
Options	Numeric values	Location	Test Setup
Description	Defines the post-trigger export time for a customer specific export.		

<b>WorkingSIFDirectory</b>		Default	Blank/No value
Options	NA	Location	NA
Description	Not currently used in DataPRO.		

<b>NonISOMasterChannelList</b>		Default	NonISODefaultChannelNames.txt
Options	NA	Location	NA
Description	No longer used; will be removed.		

<b>NONISOAllowChannelRenameOnDrop</b>		Default	False
Options	NA	Location	NA
Description	Not currently used in DataPRO.		

<b>PerformanceLogOn</b>		Default	False
Options	NA	Location	NA
Description	Not currently used in DataPRO. Was used for early development to log additional Realtime information.		

<b>QAMode</b>		Default	False
Options	NA	Location	NA
Description	Don't use.		

<b>DBName</b>		Default	DataPRO
Options	NA	Location	NA
Description	Not currently used in DataPRO		

<b>SelectedNetworkDesc</b>		Default	NA
Options	NA	Location	System Settings
Description	Displays name of chosen network interface. Network is chosen in System Settings. Do not modify in config file.		

<b>SelectedNetworkId</b>		Default	NA
Options	NA	Location	System Settings
Description	Displays ID of chosen network interface. Network is chosen in System Settings. Do not modify in config file.		

<b>AllowTTSExportFiltering</b>		Default	False
Options	True, False	Location	Data Export
Description	Used for a customer specific data export format.		

<b>ForceTTSShiftJIS</b>		Default	True
Options	True, False	Location	Data Export
Description	Used for a customer specific data export format.		

<b>AppLogsFolder</b>		Default	Logs
Options	NA	Location	NA
Description	Not currently used.		

<b>ImportArchiveFolder</b>		Default	..\..\ImportArchive
Options	File location	Location	Test Setup import
Description	Used for a customer specific import file.		

<b>AllowDiagnosticsMode</b>		Default	False
Options	True, False	Location	NA
Description	Don't modify. Used for development testing.		

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