



INDigital[©]

TRANSPORTING INSTRUMENTATION DATA INTO THE DIGITAL WORLD

INDigital[©] A WiseTools Productivity Tool

What is INDigital?

INDigital[®] is a WiseTools utility that enables the user to quickly and easily map SPI data and normalize datasheet user defined fields. Data can be extracted by datasheet, process function or a single all inclusive data dump as required to suit the digital twin.

Why You Need It

Extracting data from SPI for a digital twin that involves datasheet data can be complex. The complexity level mainly depends on how the SPI datasheet-user defined data fields are configured. As most SPI databases were not originally configured with a digital twin in mind, items that would normally not be an issue become one when extracting data.

What are Some of the Data Issues?

- SPI has two database configurations – Engineering and Owner Operator/Asbuilt and they are different:
 - SPI Engineering has a single record for each instrument tag, whereas
 - SPI OO/As-Built may have multiple records for the same instrument tag in multiple projects.
- When Index UDF/UDTs are used in place of SPI standard fields.
- When Spec UDFs are used in place of SPI standard fields.
- When the same Spec_UDF is used for different data types in different datasheets.

Features and Benefits

- User can easily identify
 - common datasheet fields such as PID, Manufacturer, Model, Serial No. Service, Line No. Equipment No. etc. and generic process data.
 - Map specific datasheet User Defined Fields (Spec_UDFs) to be extracted.
 - Edit Spec_UDF headers to normalize the data.
- Includes data extraction filters:
 - Select tags, on a datasheet, with a revision or all datasheets regardless of a revision,
 - For OO/As-Built SPI configurations where there are duplicate tags (as-built and project), select the tag with the highest revision or the As-Built tag if revisions are the same. Manual override also provided.
 - Option to Exclude tags marked Demolished, Deleted or Hold,
 - Option to Exclude an area if used as a sandbox or for training,
 - Option to Exclude a project or projects (ie. cancelled projects).
- Easily displays duplicate Spec_UDF headers and columns to identify and resolve issues prior to a data export.
- **INDigital API** enables batch extraction of the SPI digital data based on the defined data extraction options.
- **INAuditPro** by WiseTools, is the perfect companion for use with INDigital. INAuditPro assesses the SPI database to easily identify datasheet issues making it even easier to identify and correct issues.

BENEFITS

- **Web app** – use Microsoft IE, Edge or Google Chrome browser.
- **User Friendly** – intuitive and easy to use.
- No passwords required.
- **Cost Effective** – quickly identify required data fields for extraction.
- **Simple and easy** – find Spec_UDF issues and fix them prior to the data extraction.
- **INDigitalAPI** – used to batch extract SPI data based on data mapping defined by INDigital
- Designed to function on a PC

SPI COMPATIBILITY

- 2016, 2018 & 2019
- Oracle or SQL
- Engineering and As-Built/OO

For more information on any of our products or services, please visit us at:
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INDigital Data Utility

License: 1 of 15

Domain: SCOT / Plant: S... As-Built / Area: All / Unit: All

Form Name

Common Fields Common Data Setting Duplicate Spec UDF

Form Name	Form Number	Process Function	Associated Tags	Status	Item Operate
1 PH - CONTROL VALVE	101	Control Valve	1241	Configured	Report Duplicates Data Mapping Selected Fields
2 PH - CONTROL VALVE (FF)	9102	Control Valve	2	Not Configured	Report Duplicates Data Mapping Selected Fields
ANALYZER - COMPLEX	121	Analyzer	72	Not Configured	Report Duplicates Data Mapping Selected Fields

Total Forms: 69, Configured Forms: 1

Callouts:

- Defines common data field mapping for all datasheets
- Defines data filter settings
- INDigital module icon
- Lists all SPI datasheets used
- Datasheet data mapping status
- Defines data field mapping

SYSTEM REQUIREMENTS

SERVER:

- Windows Server 2016
- IIS
- .NET Framework v4.6+
- PDF Reader

CLIENT:

- .NET Framework v4.6.x
- Windows v10, iOS, Android
- Microsoft Explorer, Microsoft Edge or Google Chrome
- PDF Reader
- Microsoft Excel

MORE WISETOOLS

PRODUCTIVITY TOOLS

- INView
- INView API
- INAuditPro
- INSync Admin/Review
- INView Anywhere
 - INWalkdown Instruments
 - INField Check
 - INLoop Check
- INP&ID
- INFront

WISETOOLS SOLUTIONS

- SPI Consulting
- SPI Data Migration
- SPI Data Merging
- SPI Database Audits
- SPI Document Conversion
- Training for SPI and Wisetools Products
- Custom Programming

For more information on any of our products or services, please visit us at: www.wisetools.ca

Email: Info@WiseTools.ca

Call +403.233.8015

Data Filtering Options

Exclude Project

Exclude Area

Exclude Tag Status

Select project data to exclude

Select Area to exclude

Select Tag Status to exclude

Option to include only datasheets with a revision

Datasheet must have revision

Datasheet Spec_UDF Report

Spec UDF Fields

Process Function: All Duplicate Column Duplicate Header Export

Column Name	Column Header	Form Name	CNum
spec_ufd_c01	End Ext / Material	1 PH - CONTROL VALVE	
spec_ufd_c01	Gauge - Scale Length Type	LEVEL GAUGE	
spec_ufd_c01	Gauge - Scale Length Type	LEVEL GAUGE w/ XMTR (FF)	9113

Lists mapped Spec_UDFs on more than one datasheet

Filter option by duplicate columns or headers

Call +403 233 8015 or Email Info@WiseTools.ca for a demo and quote.