



# INDigital<sup>©</sup>

TRANSPORTING INSTRUMENTATION DATA INTO THE DIGITAL WORLD

## INDigital<sup>©</sup> A WiseTools Productivity Tool

### What is INDigital?

INDigital<sup>®</sup> 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 data to identify incomplete, missing or corrupt data with automatic detailed reports to enable corrections.

#### 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: 15

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](http://www.wisetools.ca)

Email: [Info@WiseTools.ca](mailto: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](mailto:Info@WiseTools.ca) for a demo and quote.