## *ANNEX B INSTRUMENT INDEX DATA LIST*

### 1. Specification Form Integrated Data

About 92 fields are automatically copied to an Excel **Instrument Index Data** table, whenever a specification document is saved.

| Content Control Property Title | Data Description |
|---|---|
| Document number | Specification Document number (must be unique) |
| Keywords (Tag no/Functional ID) | Document master Tag no/Functional identification |
| Component type 1 | Primary Component type name |
| Form_rev | Specification form number and revision |
| Subject | Specification form title (document Subject description) |
| Company | Responsible Organization company identification |
| Latest revision | Document latest revision |
| Publish Date | Document publish date |
| Status | Document issue status |
| Spec Id attri1value | Specification Identifications section definable field name |
| Spec id attribute 1 value | Specification Identifications section definable field value |
| Project number | Project number |
| Sub project no | Sub project number |
| Project | Project title |
| Enterprise | Enterprise identification |
| Site | Site name |
| Area | Area identification acronym |
| Unit | Unit identification acronym |
| Admin Def attribute 1 name | Administrative Identifications section definable field bane |
| Admin Def attribute 1 value | Administrative Identifications section definable field value |
| Comments | Word/SharePoint document comment |
| Related equipment | Related equipment identification |
| Service | Service description |
| P_ID_Reference dwg number | P&ID or Reference drawing number |
| Upstr line_nozzle number | Upstream line or nozzle number |
| Upstr line pipe spec | Upstream line pipe spec |
| Upstr line nom rating | Upstream line nominal rating |
| Upstr line conn type | Upstream line connection type |
| Upstr line termn style | Upstream line termination style |
| Upstr line material type | Upstream line material type |
| Primary construction material | Material of pressure containing shell component |
| Inline hazardous area cl | Inline or Local Hazardous Area Class |
| Inline hazardous Div_Zone | Inline or Local Hazardous Area Division or Zone |
| Inline hazardous gr | Inline or Local Hazardous Area Group |
| Inline T Code | Inline or Local Hazardous Area Temperature Code |
| Criticality classification | Criticality classification |
| Signal loss failure mode | Signal loss failure mode |
| Supply loss failure mode | Supply loss failure mode |

| | |
|---|---|
| Design Inlet press max | Design Inlet pressure maximum value |
| Design inlet press units | Design Inlet pressure maximum value units |
| PC Max press at design temp | Performance Characteristics Max pressure at design temp |
| PC Max press at design temp units | Performance Characteristics Max pressure at design temp units |
| Design Inlet temp max | Design Inlet temperature maximum value |
| Design inlet temp units | Design Inlet temperature maximum value units |
| PC Max design temp | Performance Characteristics Max design temp |
| PC Max design temp units | Performance Characteristics Max design temp units |
| Inlet temp min cond | Inlet temperature minimum flow condition |
| Inlet temp max cond | Inlet temperature max flow condition |
| Inlet temperature units | Inlet temperature units |
| PC Min working temp | Performance Characteristics Min working temperature |
| PC Min working temp units | Performance Characteristics Min working temperature units |
| PC Max working temp | Performance Characteristics Max working temperature |
| PC Max working temp units | Performance Characteristics Max working temperature units |
| Minimum ambient temp | Minimum ambient working temperature |
| Minimum ambient temp units | Minimum ambient working temperature units |
| PC Min ambient working temp | Performance Characteristics Min ambient working temperature |
| PC Min ambient working temp units | Performance Characteristics Min ambient working temperature units |
| Maximum ambient temp | Maximum ambient working temperature |
| Maximum ambient temp units | Maximum ambient working temperature units |
| PC Max ambient working temp | Performance Characteristics Max ambient working temperature |
| PC Max ambient working temp units | Performance Characteristics Max ambient working temperature units |
| Material name | Process Material name |
| GHS health hazard | GHS Health Hazard |
| Signal power source | Identification of the signal power range required for the device |
| Digital communication std | Identification of the primary digital communication standard |
| Compliance standard | Compliance standard |
| Component Manufacturer 1 | Primary Component Manufacturer name |
| Component Model number 1 | Primary Component Model number |
| Estimated weight | Modeling Data Estimated weight |
| Estimated weight units | Modeling Data Estimated weight units |
| Face-to-face dimension | Modeling Data Face-to-face dimension |
| Face-to-face dimension units | Modeling Data Face-to-face dimension units |
| Overall width | Modeling Data Overall width |
| Overall width units | Modeling Data Overall width units |
| Overall height | Modeling Data Overall height |
| Overall height units | Modeling Data Overall height units |
| Overall depth | Modeling Data Overall depth |
| Overall depth units | Modeling Data Overall depth units |
| Removal clearance | Modeling Data Removal clearance |
| Removal clearance units | Modeling Data Removal clearance units |
| Prim Tag no Input_Output | Tag number or functional identification of the primary input or output signal |

| | |
|---|---|
| Prim_CAL_Input_Output Desc | Primary Calibration Input-Output Description |
| Prim_CAL_Input_LRV | Primary Calibration Input LRV |
| Prim_CAL_Input_LRV units | Primary Calibration Input LRV units |
| Prim_CAL_Action | Primary Calibration Action |
| Prim_CAL_Output LRV | Primary Calibration Output LRV |
| Prim_CAL_Output LRV units | Primary Calibration Output LRV units |
| Prim_CAL_Output URV | Primary Calibration Output URV |
| Prim_CAL_Output URV units | Primary Calibration Output URV units |
| Test pressure Input URV | Test pressure value |
| Test pressure Input URV units | Test pressure units |
| File Name | Document full path or file name |

Note: Any additional Content Control property titles can be added to the Excel file columns and subsequent
document savings will copy such additional data to the modified Instrument Index Data table.

## 2. Manual Data Entry Properties of Instrument Index Data Table

About 28 additional manual data entry properties can be managed in the **Instrument Index Data** table:

| **Extended Index Property Title** | **Data Description** |
|---|---|
| Loop name | Identifying parent name common to all members of the loop |
| Sequence order | Loop sequence order of individual member of a loop |
| Loop diagram | Loop diagram drawing |
| Alternate tag ID | Alternate identification of a device such as assigned by package equipment manufacturer, electrical interface equipment number or of a renamed device |
| Supply status | Identify organization responsible to supply of device such as instrumentation. piping, electrical, packaged equipment, etc. |
| Instrument status | Identification of the device status such as existing, new, spare, abandoned in place, to-be-removed, etc. |
| Instrument location | Relative location such as field, local panel, remote panel, I/O building, etc. |
| Location drawing | Drawing number showing the device relative location |
| Piping isometric | Drawing number showing the device location within a piping isometric |
| Instrument system | Abbreviation for the digital system which the device signal is connected to, such as DCS, PLC, ANALYZER, ESD, etc. |
| Associated I/O type | Associated digital system I/O component such as AI. AO, DI. DO, HART®, etc. |
| Associated I/O location | Location of associated I/O component such as building number, cabinet/rack number, panel number, etc. |
| Interlock Logic number | Name/number common to all members of the interlock |

| | |
|---|---|
| Process data owner | Organization responsible for providing process data such as Process, Mechanical, Vessel, Electrical or packaged equipment |
| Specification package | Specification package ID |
| Turnover System | Identification of the data packaging for transfer to the owner |
| Process data required | Required date for process data specifications |
| Requisition required | Required date for issuing specification requisition |
| Required on site | Required date for receiving device on site |
| Air/Purge connection | Air/Purge connection detail drawing |
| Electrical/Signal connection | Electrical/Signal connection detail drawing |
| Environmental protection | Environmental protection detail drawing |
| Junction Box | Junction Box detail drawing |
| Process connection | Process connection detail drawing |
| Support/Mounting | Support/Mounting detail drawing |
| Requires power supply | Identifies devices that require power independent of their signal wiring. |
| P&ID status | Identification of P&ID activity such as future work, work on hold, pending deletion or pending scope change |
| P&ID Checked By | Initials of individual who checked the P&ID and Index data for completeness and consistency |

Note: Any additional manual entry property titles can be added to the Excel file columns.

## 3. Custom Views of Instrument Index Data Table

Seven basic custom views of the Instrument Index Data are provided and can be added to and configured:

- All Data Entry
- Calibration Data
- Compare Design Conditions
- Device Specification only
- Manual Data Entry
- Operating Parameters Only
- Physical Model Data