Calibration

Introduction

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Calibration is one of the most important process required in Manufacturing, Calibration is the process of configuring an instrument to provide a result for a sample within an acceptable range. Eliminating or minimizing factors that cause inaccurate measurements is a fundamental aspect of instrumentation design.

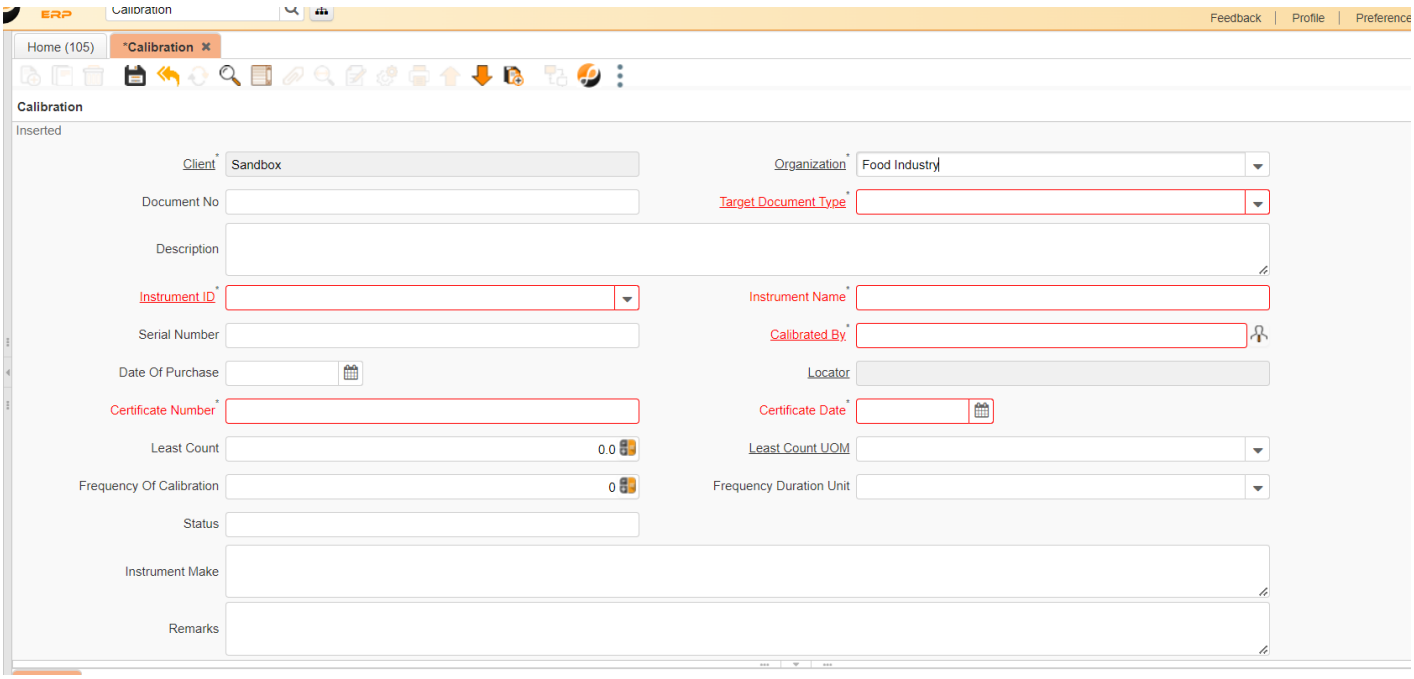
Business Example

Instrument calibration records are kept in the calibration window. Each instrument's copy of the document is kept separately.

Tabs

Tabs

Calibration Header



Critical Fields

1. Instrument ID: Instrument ID is a selection field where user can select Name and Search key of instruments which is in a Master data.
2. Instrument Name: This field represents the instrument's name in accordance with instrument ID.
3. Calibrated By: Calibrated By is a selection field where user can select details of which is a Master data.
4. Certificate Number: Certificate document number which is kept as a Hard copy.
5. Certificate Date: Certificate Document date which is kept as a Hard copy.
6. Last Calibration Date: Date of the most recent calibration.
7. Next Calibration Date: Date that the equipment will likely need to be calibrated again

Critical & one-time setup fields

1. Organization: This field is used to select the organization.
2. Target Document Type- This Field is used to select the type of document that you are going to process.

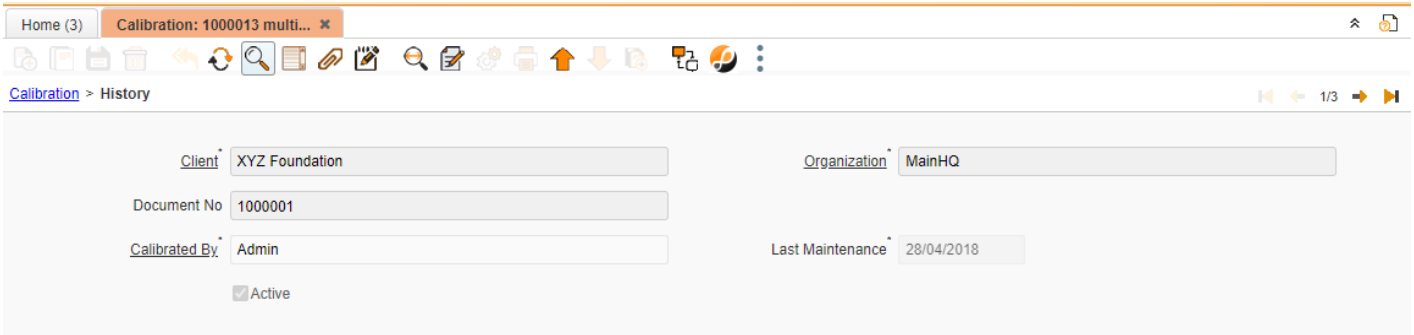
Non-Critical Fields

1. Description: To note Specifics required with documents and to describe other important information.
2. Serial Number: The serial number of Instrument subjected to calibration
3. Date Of Purchase: Date of purchase of Instrument which is to be calibrated
4. Least Count: Least count of instrument to be calibrated
5. Least Count UOM: Unit of measurement of least count
6. Frequency Of Calibration: How frequently instrument needs to be calibrated
7. Frequency Duration Unit: Daily, Weekly, monthly or Yearly Duration for calibration of instrument
8. Instrument Make: Instrument Make details entered by user manually.
9. Remarks: Any specifics and notes which is to be required with this document.
10. Range UOM: unit of measurement of range between instrument is to be calibrated
11. Range From: Minimum or initial range value from which instrument is to be calibrated
12. Range To: Maximum or last range value within instrument is to be calibrated.

Zoom Condition's

Tabs

History



Once Header tab is saved. History tab is updated automatically with details calibrated by, Last maintenance Date.

Document Actions

Validation

Save

1. System will check all mandatory fields.

Delete

1. System will delete the order and its historical details.

Action

Document action prepare

1. System will check the period details and master data checking.

Document action complete

1. System will complete the document and keep ready for processing.

2. Once document action is complete, all fields are updated in read-only.

Document action void/reverse correct actual

1. Void- system will reverse all the transaction data and change the document status to Void

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Document action close

1. The system will check whether all the activity for the document is completed and change the Document status to close.

Video