



INCA V7.3
INCA Instrument Integration Development Kit
V1.3
Quick Start Guide

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1 Objectives

This document gets you started with the INCA Instrument Integration Development Kit.

For further information, refer to the INCA Instrument SDK Tutorial.

2 Working with the ETAS Instrument Integration SDK

2.1 Installing the ETAS Instrument Integration SDK

Install the following tools in the listed order:

1. Visual Studio 2019
2. INCA V7.3
3. INCA Instrument Integration SDK

2.2 Creating a New Instrument

To create a new instrument

1. Open **Visual Studio**.
2. Select **File → New → Project**.
3. Select **INCA Custom Instrument**.
4. Click **Create**.
5. Run through the Wizard and configure your project settings.
6. Click **Finish** on Summary page.

Visual Studio creates a new Visual Studio Project.

If you use a Visual Studio Community version and you do not see the INCA Custom Instrument project template, see step 3 above.

1. Copy the file

```
C:\Program Files\ETAS\INCA Instruments  
Integration SDK 1.3\VS2019Template\INCA Custom  
Instrument.zip
```

to:

```
C:\Documents and Settings\\My Documents\  
Visual Studio  
2019\Templates\ProjectTemplates\Visual C#
```

2. Restart **Visual Studio**

The INCA Custom Instrument project template is now in File → New Project.



NOTE

Do not extract the file. Copy the zip-file.

2.3 Modifying the User Interface of an Instrument

To modify the user interface

1. Use the **UI Developer** of **Visual Studio**.
2. Find the UI controls in the **Visual Studio Toolbox**.
INCA supports only **Windows.Forms**.
3. Add new controls per drag 'n' drop.
4. Delete controls you do not need.
5. Save your layout.

2.4 Integrating the Instrument in INCA

To integrate the instrument in INCA

1. Close **INCA**.
2. Select **Build** → **Build Solution**.
3. Restart **INCA**.

Visual Studio automatically copies the modified instrument into the INCA plug-in folder located at <ETASData Directory>/INCA7.3/Instruments. To see where Visual Studio has copied your instrument to, check the "Output" window in Visual Studio.

The modifications to your instrument are now active in INCA. In the Display Configuration page of the Variable Selection Dialog in INCA's Experiment Environment, you will now see a new icon representing your instrument in the toolbar.

You can choose your instrument from the context menu of the layer in the tree to create it.

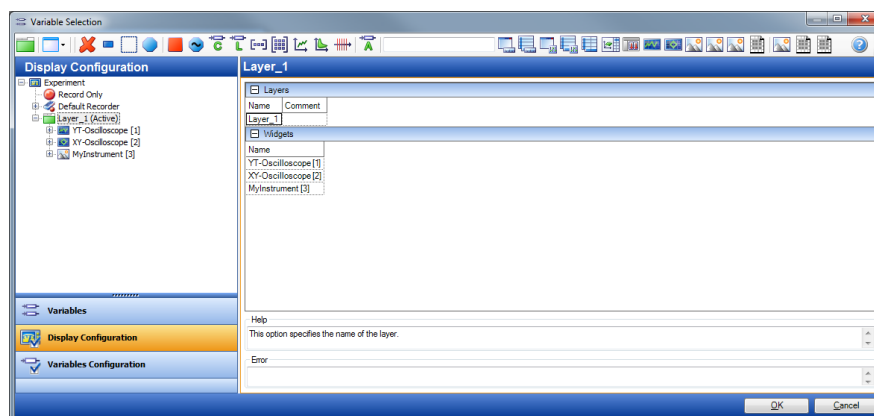


Fig. 1-1 Instrument in INCA's Variable Selection Dialog

3 ETAS Contact Addresses

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