

LabView

11

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Temat na dziś

Kontrola urządzeń – myDAQ
potencjometr, przełącznik DIP

Programowanie w środowisku (cd.)



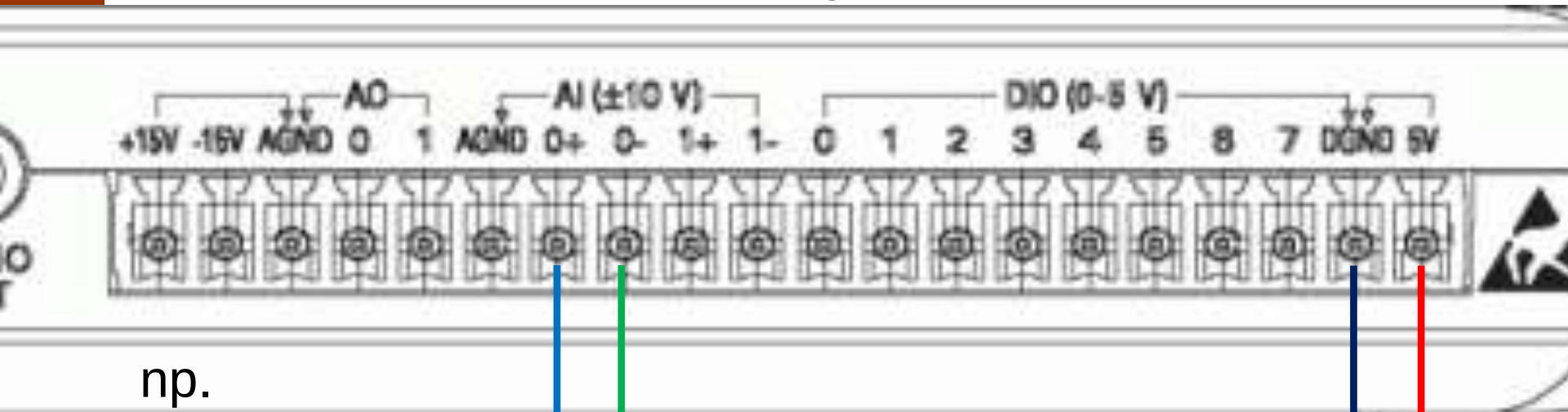
ni.com

(część materiałów zaczerpnięta ze
strony producenta)

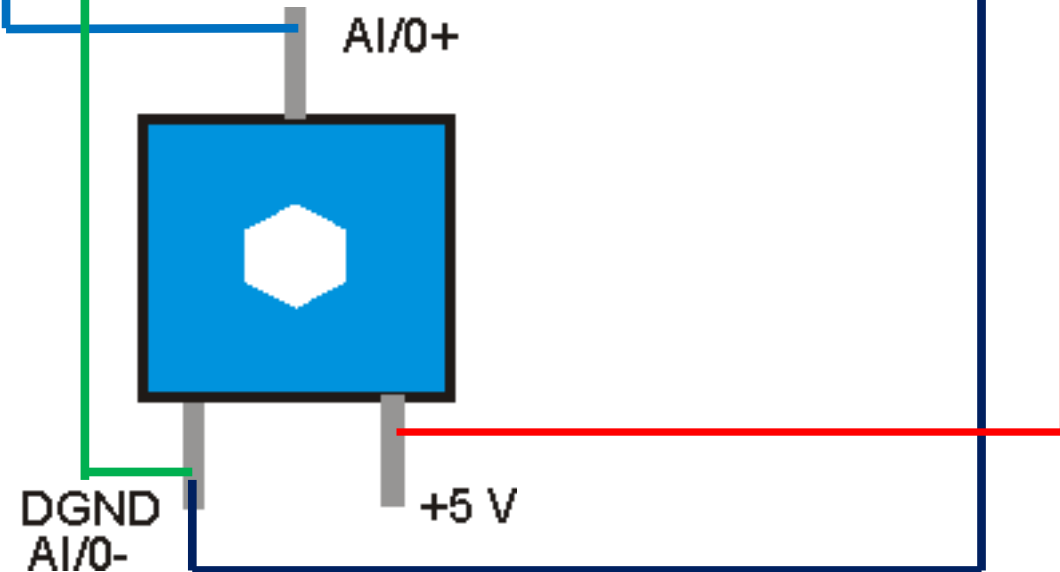
Potencjometr



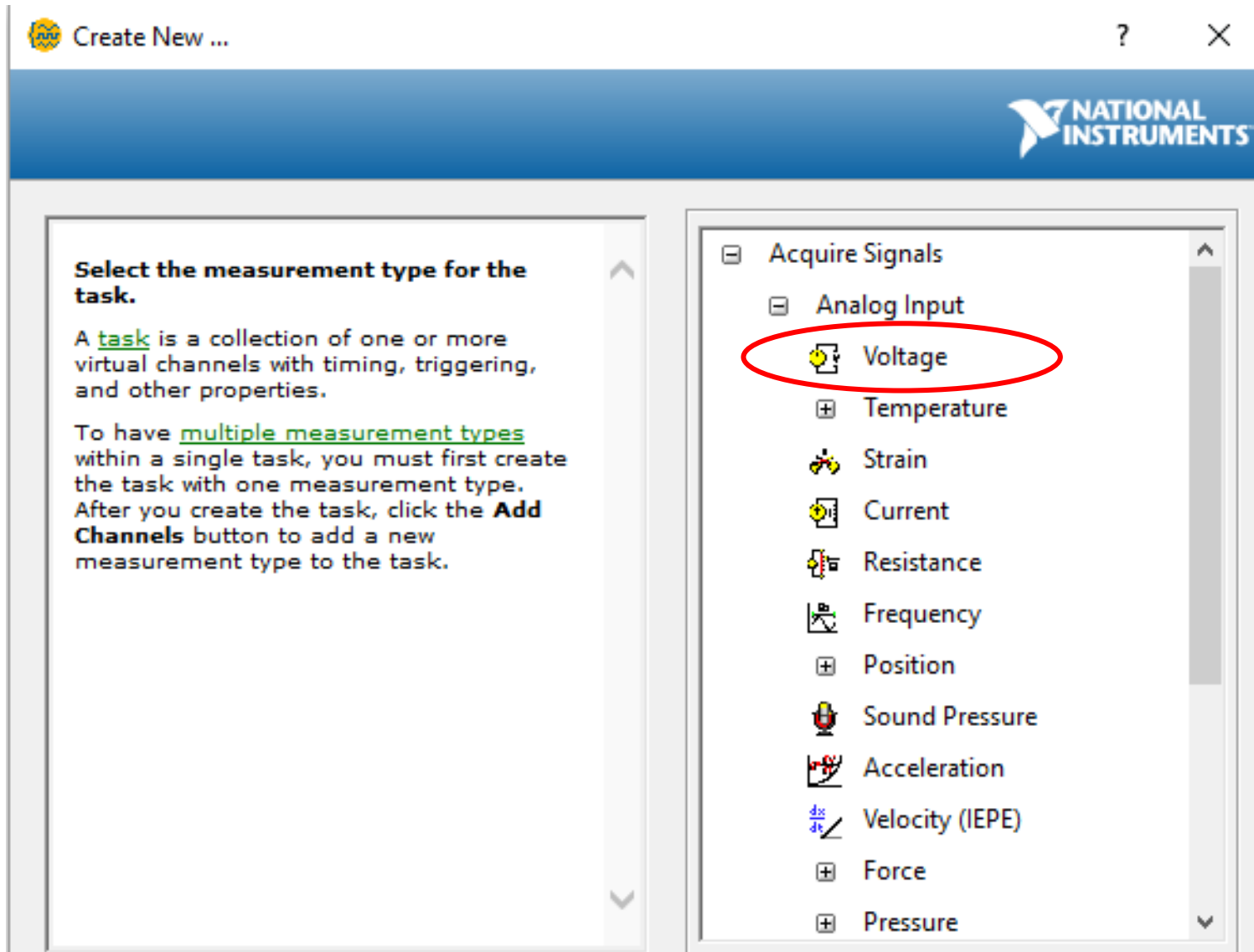
Potencjometr



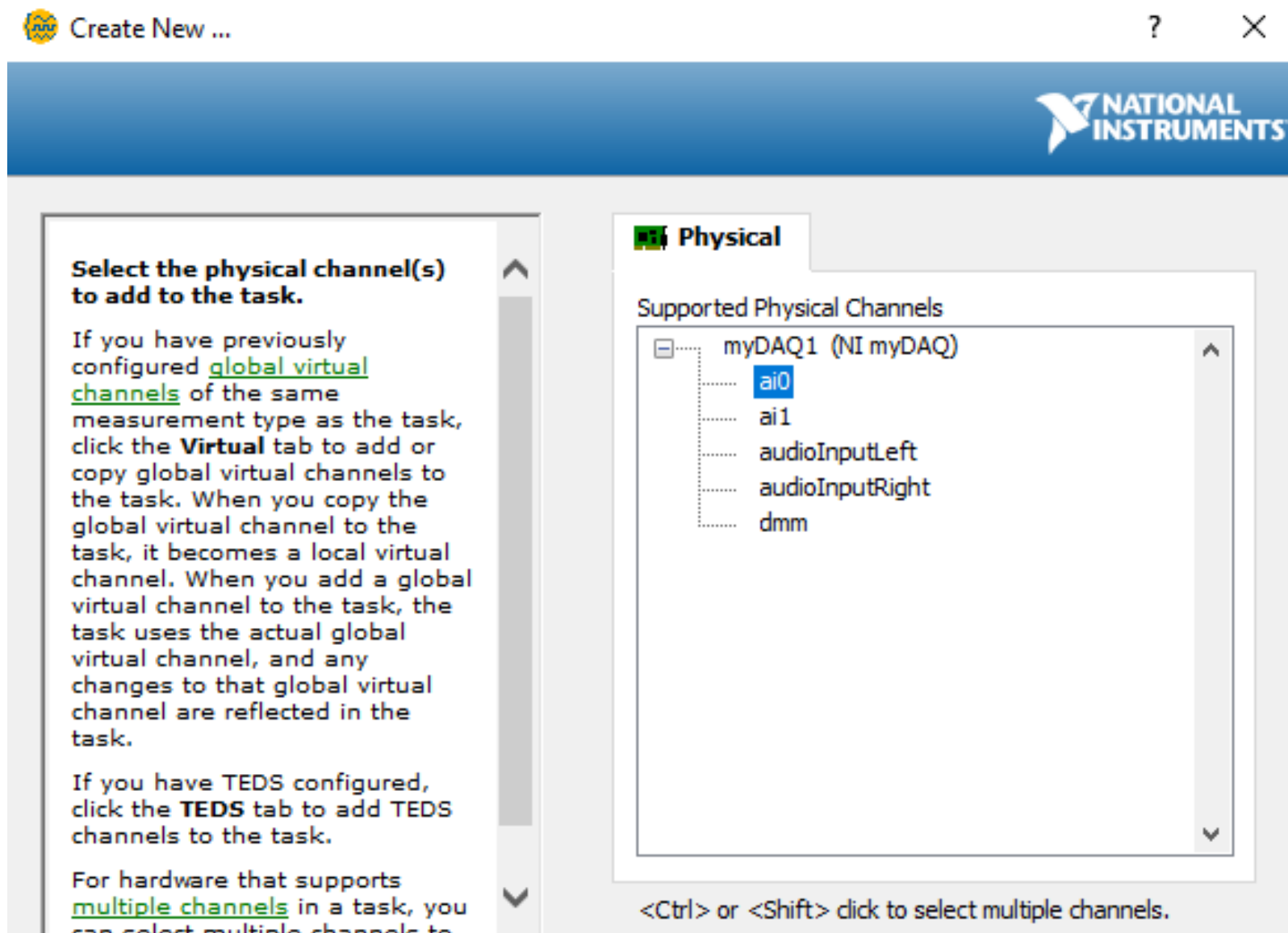
np.



Potencjometr



Potencjometr



The screenshot shows the 'Create New ...' dialog box in the National Instruments LabVIEW software. The window has a title bar with a question mark and a close button. The main area is divided into two panes. The left pane contains instructional text about selecting physical channels. The right pane, titled 'Physical', shows a tree view of 'Supported Physical Channels' for a device named 'myDAQ1 (NI myDAQ)'. The 'ai0' channel is highlighted. At the bottom, a note indicates that the Ctrl or Shift key can be used to select multiple channels.

Create New ...

NATIONAL INSTRUMENTS

Select the physical channel(s) to add to the task.

If you have previously configured global virtual channels of the same measurement type as the task, click the **Virtual** tab to add or copy global virtual channels to the task. When you copy the global virtual channel to the task, it becomes a local virtual channel. When you add a global virtual channel to the task, the task uses the actual global virtual channel, and any changes to that global virtual channel are reflected in the task.

If you have TEDS configured, click the **TEDS** tab to add TEDS channels to the task.

For hardware that supports multiple channels in a task, you can select multiple channels to

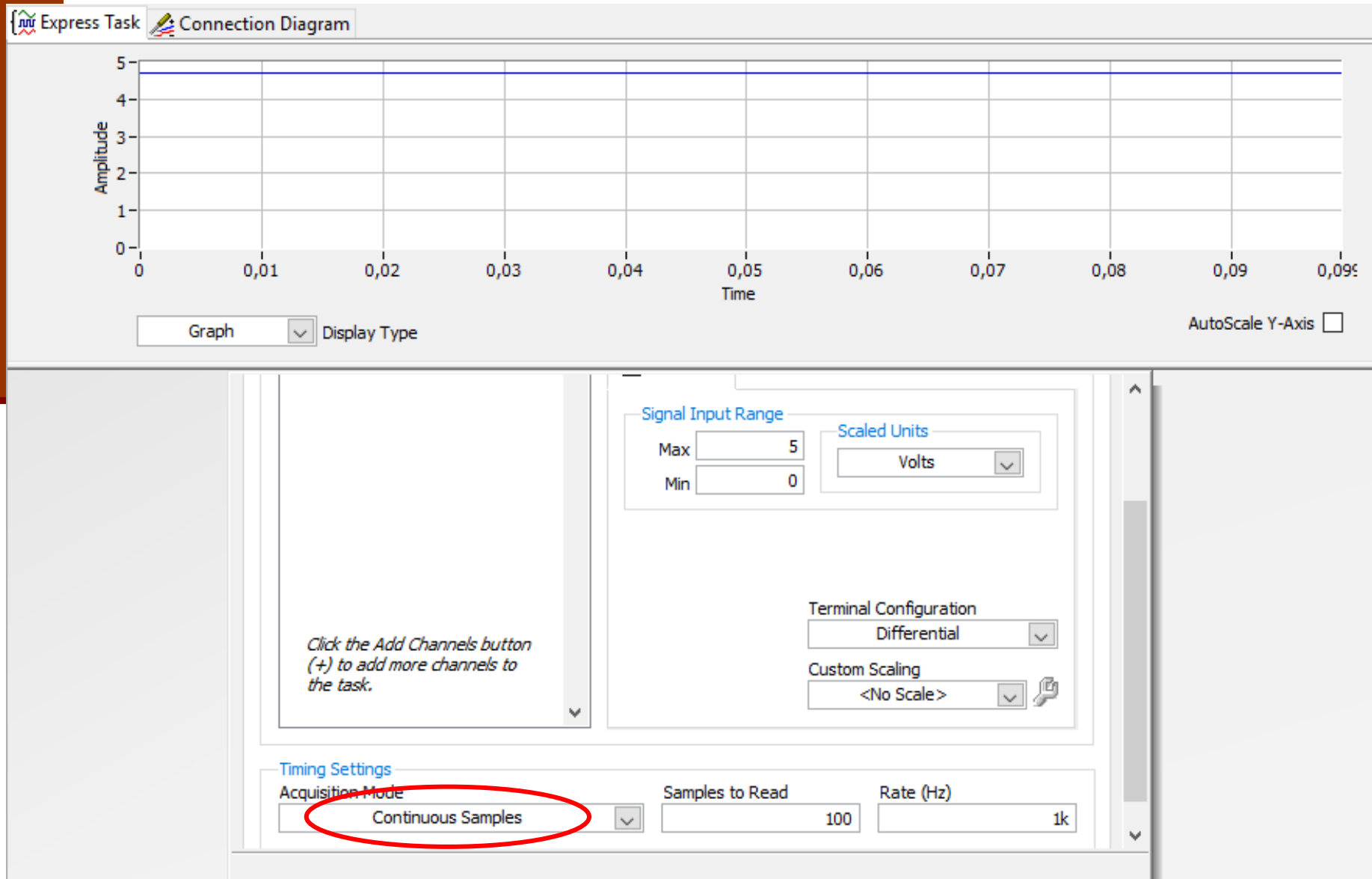
Physical

Supported Physical Channels

- myDAQ1 (NI myDAQ)
 - ai0
 - ai1
 - audioInputLeft
 - audioInputRight
 - dmm

<Ctrl> or <Shift> click to select multiple channels.

Potencjometr



Potencjometr

Undo

Redo

Run

Add Channels

Remove Channels

Express Task

Connection Diagram

Channel	Value
Voltage	0

Configuration

Triggering

Advanced Timing

Logging

Channel Settings

Details

Voltage

Click the Add Channels button (+) to add more channels to the task.

Voltage Input Setup

Settings

Signal Input Range

Max5

Min0

Scaled Units

Volts

Terminal Configuration

Differential

Custom Scaling

<No Scale>

Timing Settings

Acquisition Mode

1 Sample (On Demand)

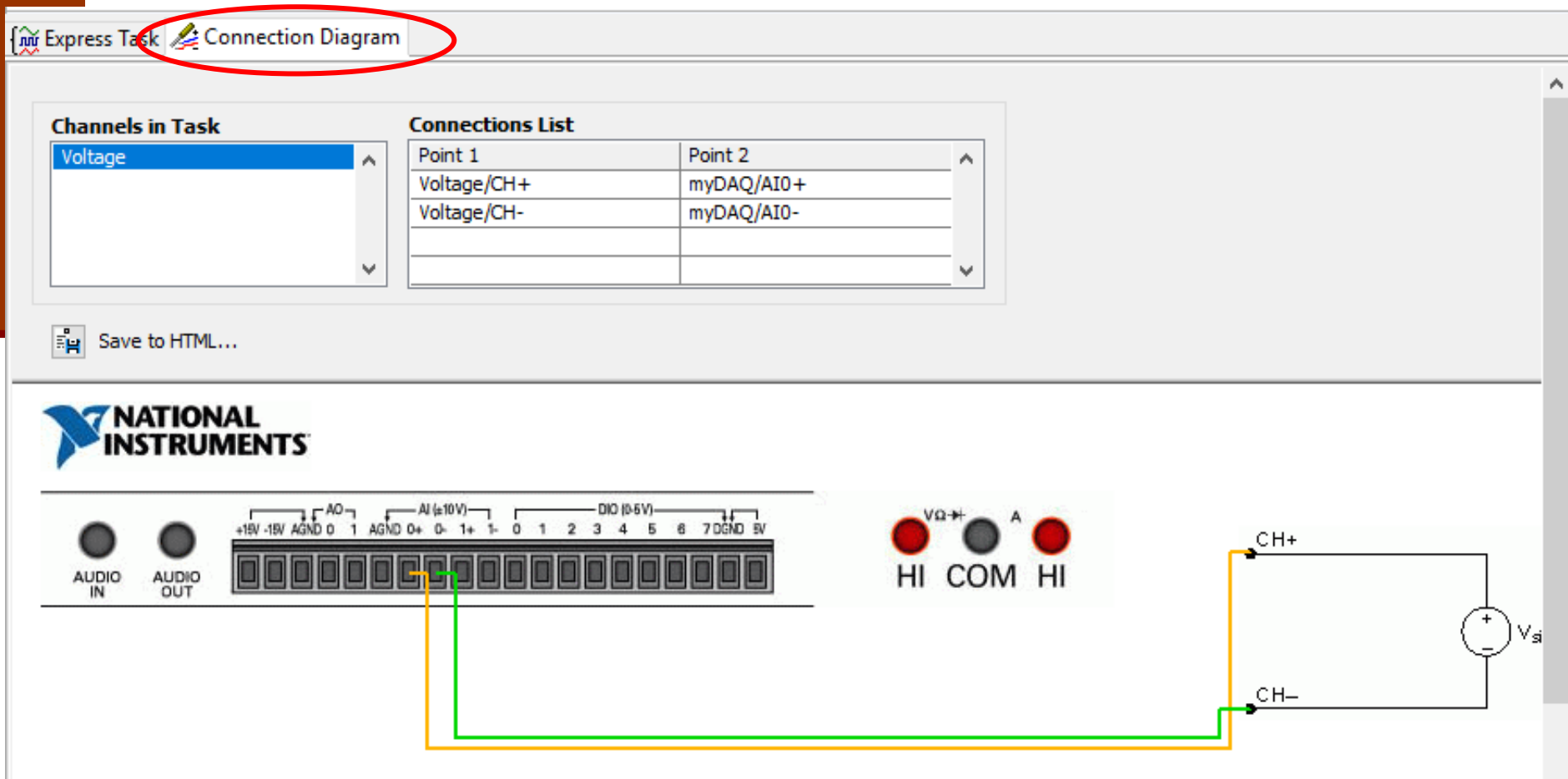
Samples to Read

100

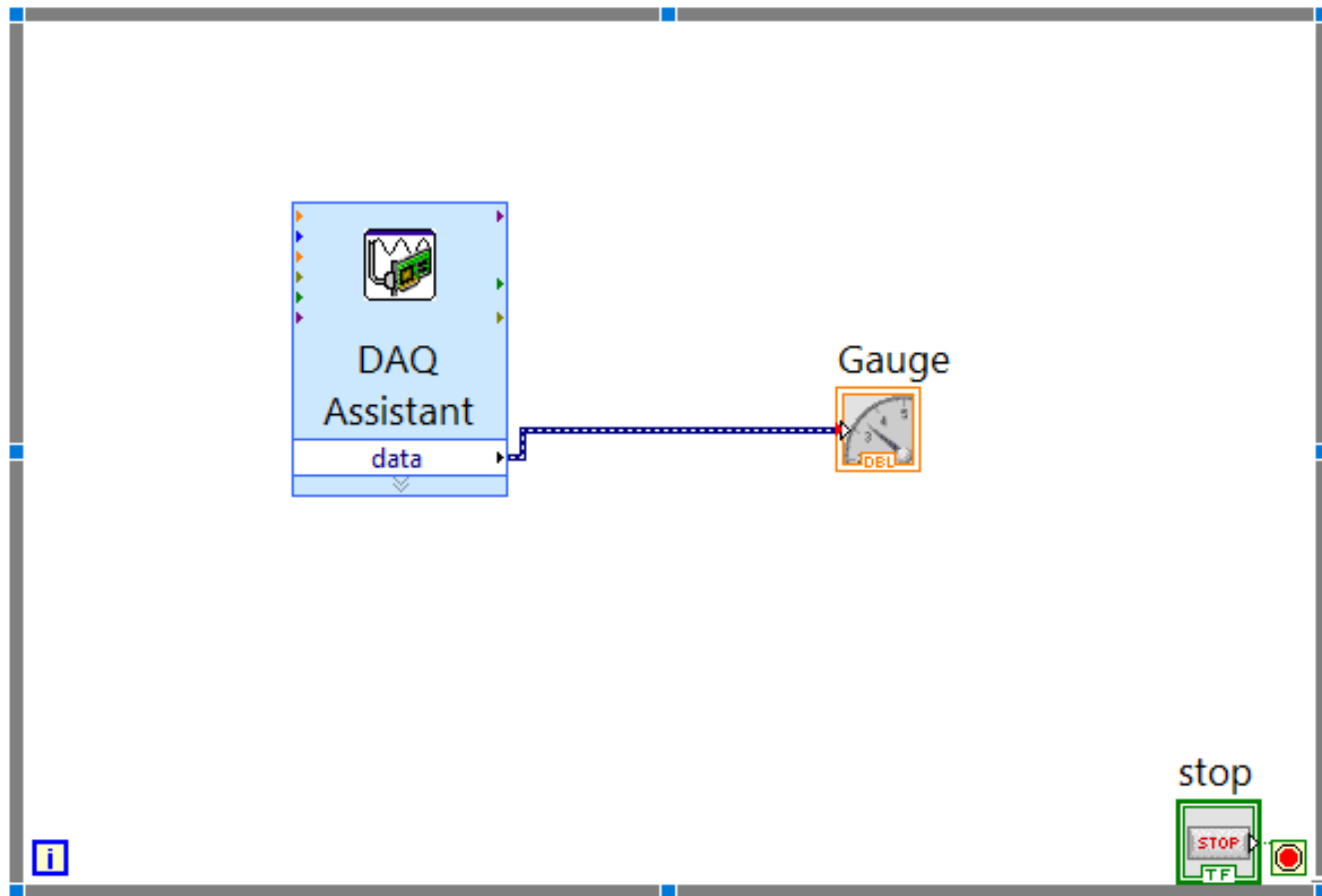
Rate (Hz)

1k

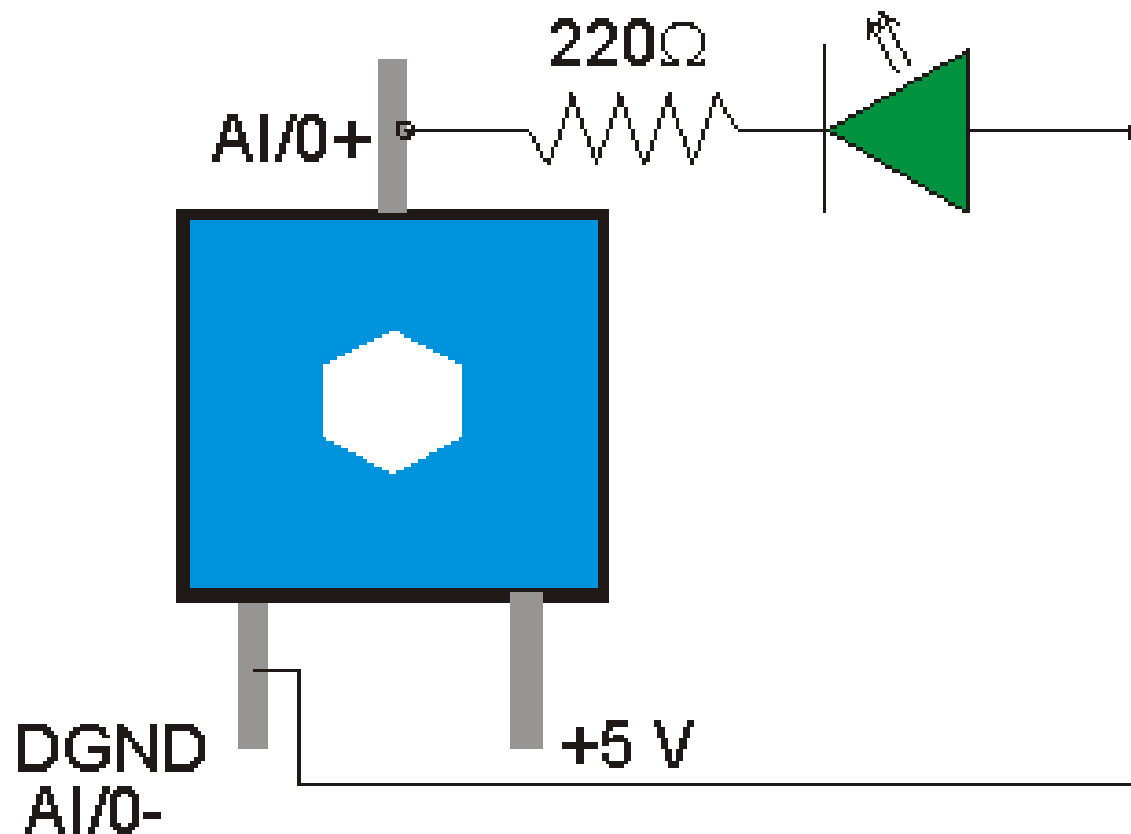
Potencjometr



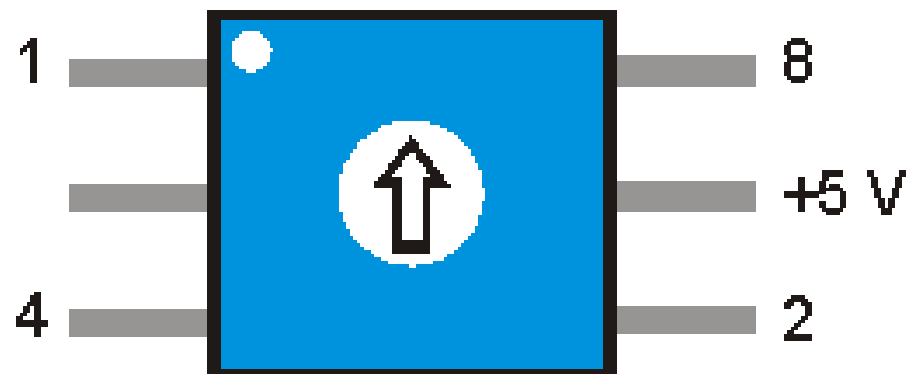
Potencjometr



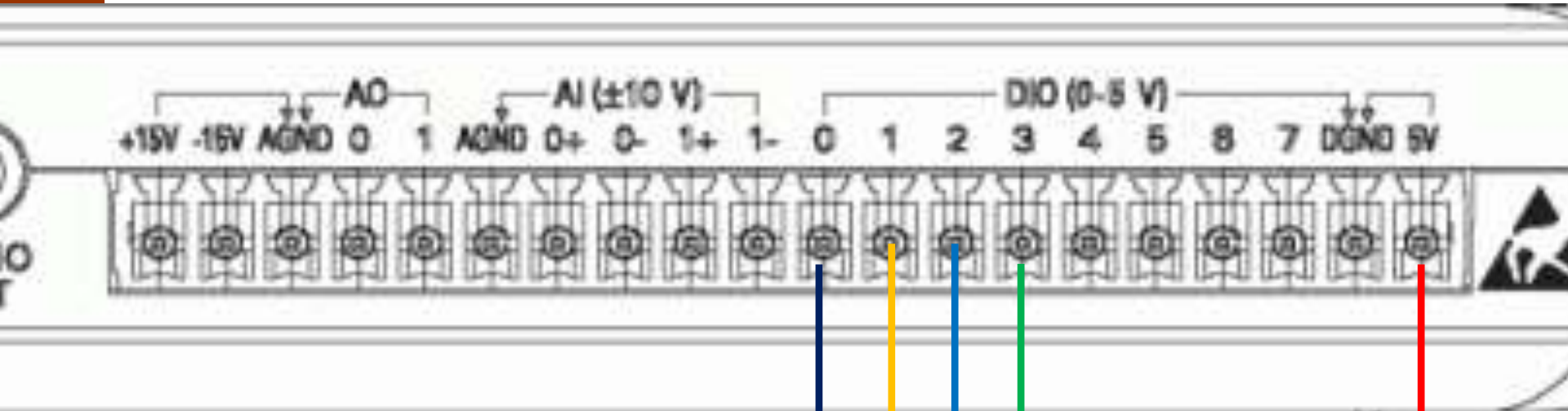
Potencjometr + dioda LED



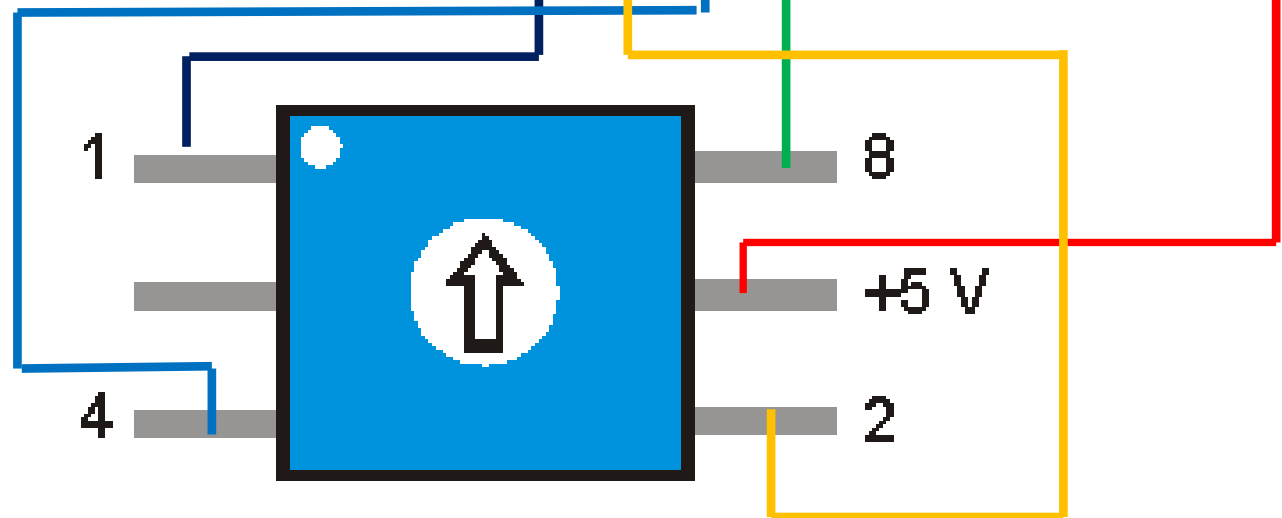
DIP - okrągły



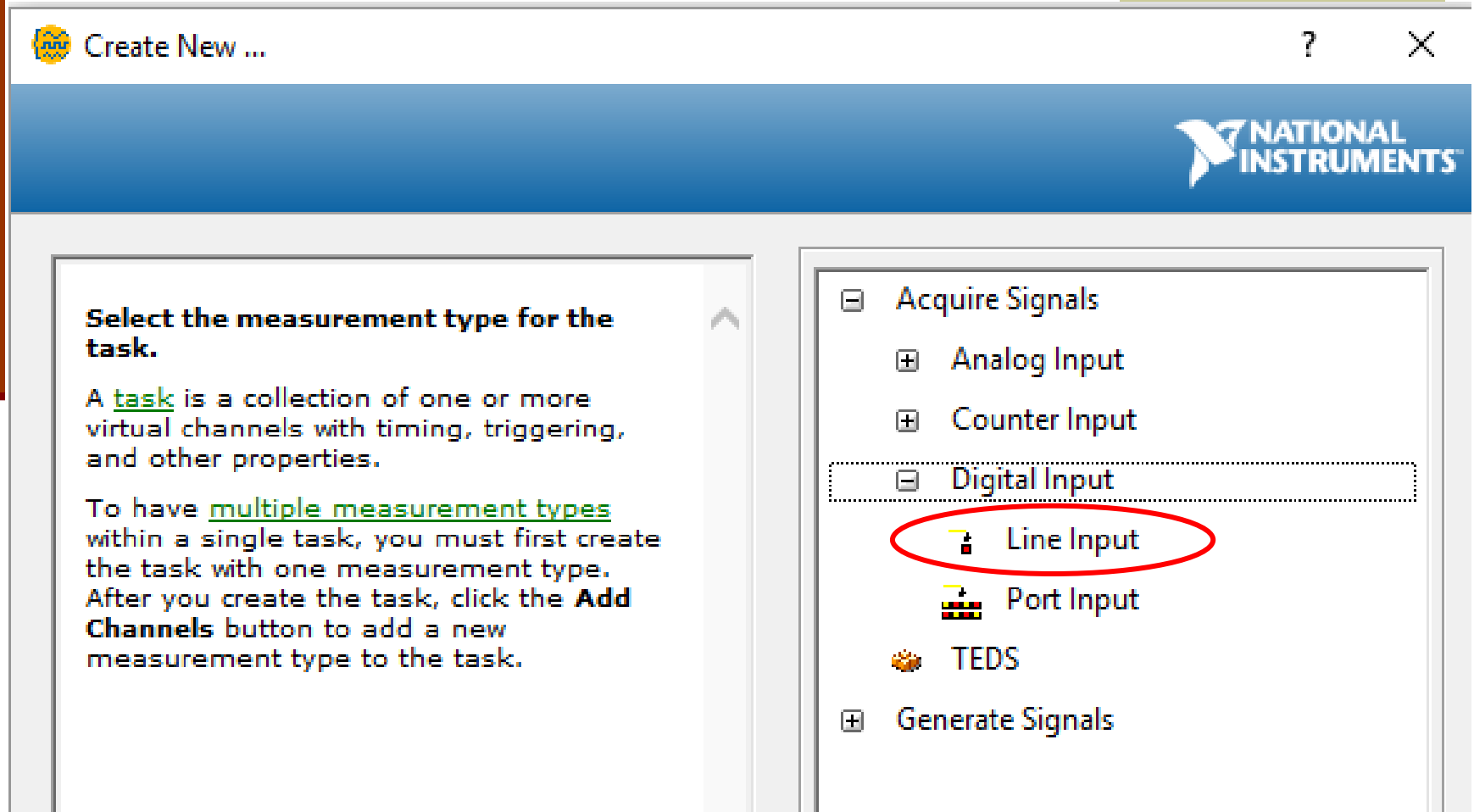
DIP - okrągły



np.



DIP - okrągły



The screenshot shows the 'Create New ...' dialog box in National Instruments software. The window has a title bar with a gear icon, the text 'Create New ...', and standard window controls (help, close). The main area is divided into two panes. The left pane contains instructional text about tasks and measurement types. The right pane is a tree view of measurement types, with 'Digital Input' expanded and 'Line Input' highlighted by a red circle.

Create New ... ? X

NATIONAL INSTRUMENTS™

Select the measurement type for the task.

A **task** is a collection of one or more virtual channels with timing, triggering, and other properties.

To have **multiple measurement types** within a single task, you must first create the task with one measurement type. After you create the task, click the **Add Channels** button to add a new measurement type to the task.

- [-] Acquire Signals
 - [+] Analog Input
 - [+] Counter Input
 - [-] Digital Input
 - Line Input**
 - Port Input
 - TEDS
 - [+] Generate Signals

DIP - okrągły

Select the physical channel(s) to add to the task.

If you have previously configured global virtual channels of the same measurement type as the task, click the **Virtual** tab to add or copy global virtual channels to the task. When you copy the global virtual channel to the task, it becomes a local virtual channel. When you add a global virtual channel to the task, the task uses the actual global virtual channel, and any changes to that global virtual channel are reflected in the task.

If you have TEDS configured, click the **TEDS** tab to add TEDS channels to the task.

For hardware that supports multiple channels in a task, you can select multiple channels to

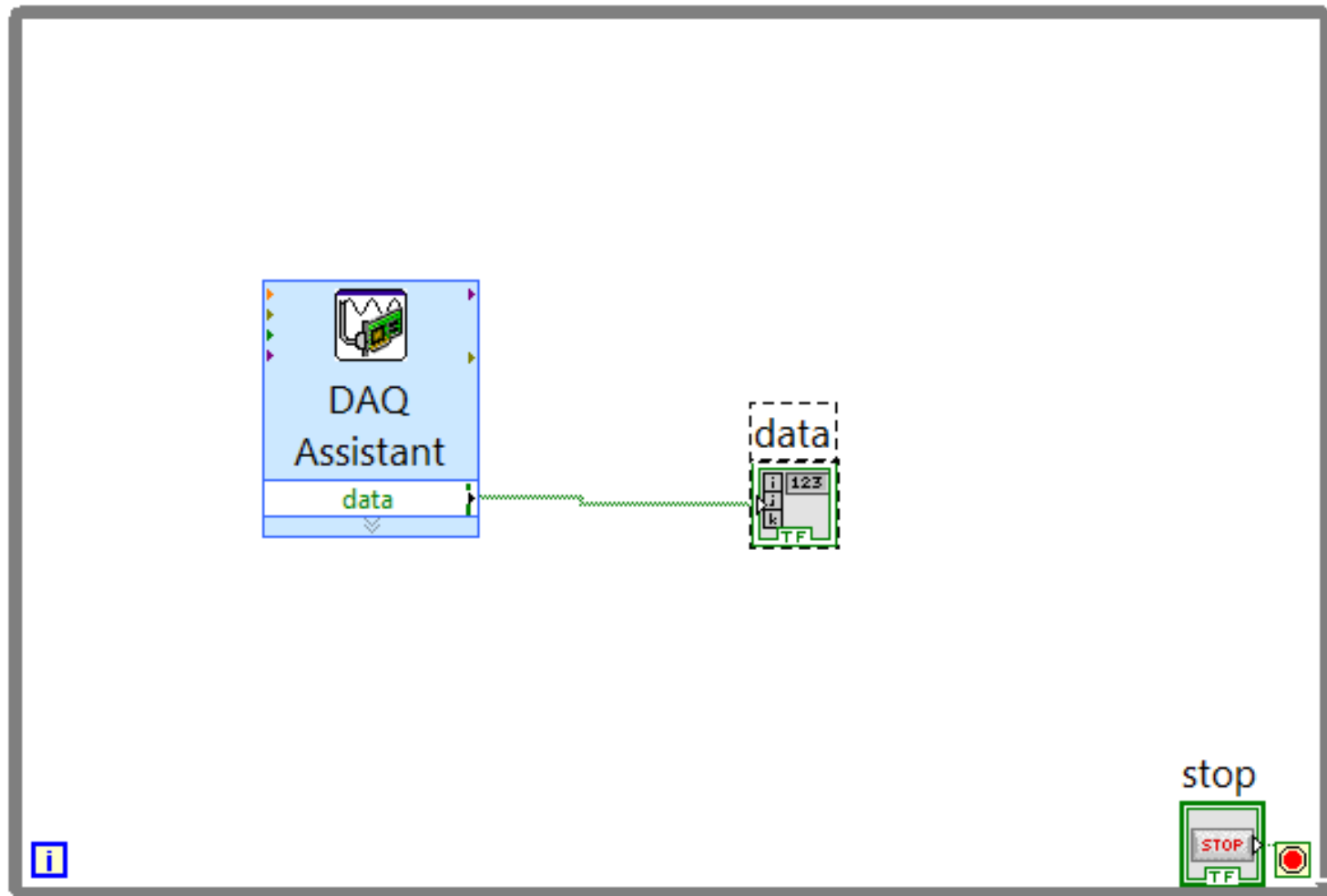
Physical

Supported Physical Channels

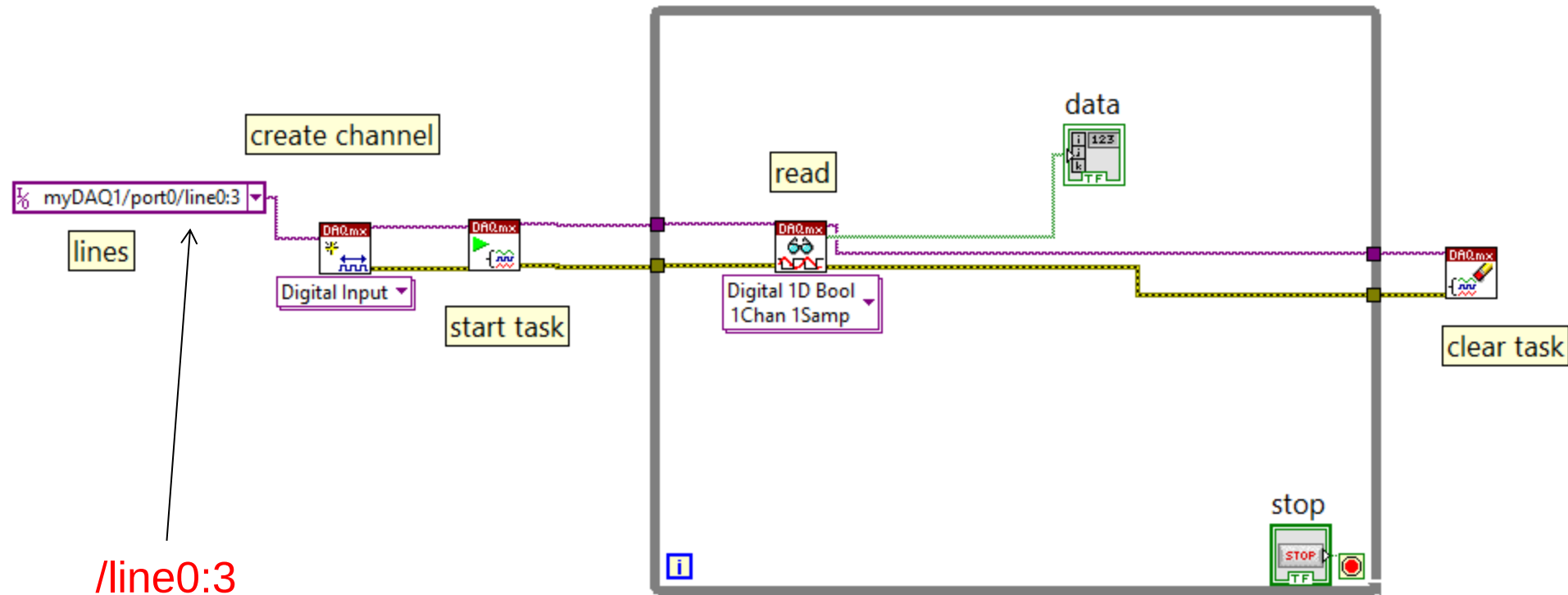
- ☐ myDAQ1 (NI myDAQ)
 - port0/line0
 - port0/line1
 - port0/line2
 - port0/line3
 - port0/line4
 - port0/line5
 - port0/line6
 - port0/line7

<Ctrl> or <Shift> click to select multiple channels.

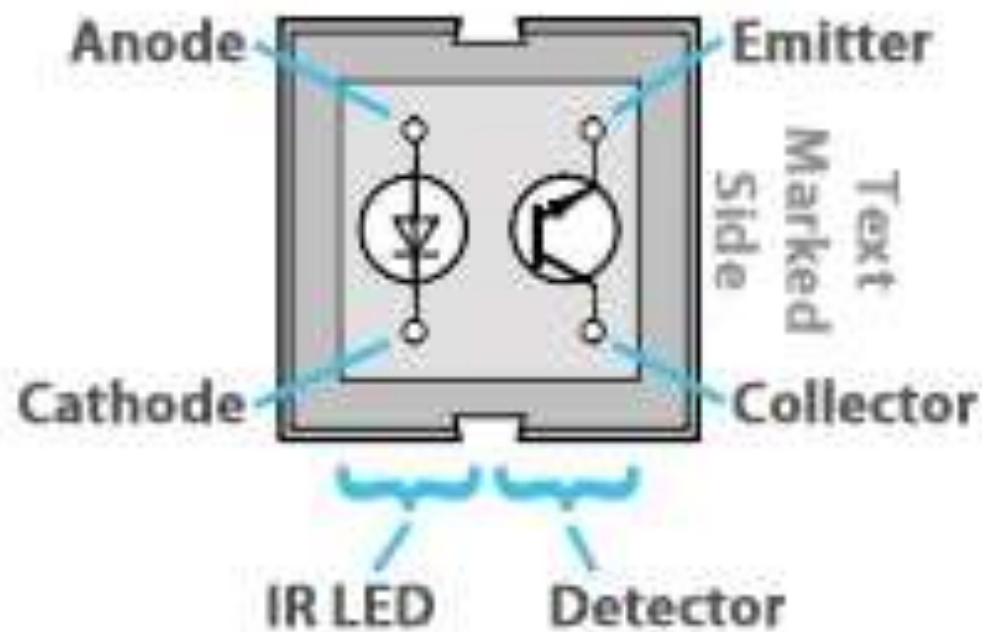
DIP - okrągły



DIP – okrągły (inaczej)



czujnik zblizeniowy



czujnik zblizeniowy

