# Kepler - Bug #4752

## create a sensor plots gui

02/05/2010 10:37 AM - Daniel Crawl

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|---|---|---|---|
| **Status:** | Resolved | **Start date:** | 02/05/2010 |
| **Priority:** | Normal | **Due date:** | |
| **Assignee:** | Sean Riddle | **% Done:** | 0% |
| **Category:** | sensor-view | **Estimated time:** | 0.00 hour |
| **Target version:** | sensor-view-0.9.0 | **Spent time:** | 0.00 hour |
| **Bugzilla-Id:** | 4752 | | |

**Description**

Display recent data collected by sensors. Select sensors to display, possibly group by sensor type, different sensors may have different sampling rates; show appropriately. Also, see if RDV useful for this (possibly embed RDV within Kepler?).

See figure 5 in https://kepler-project.org/developers/incubation/kepler-engineering-view-for-reap/engineering-view-plans

**Related issues:**

| | | |
|---|---|---|
| Blocks Kepler - Bug #4760: software to transfer sensor data from SPAN to DT | **Resolved** | **02/05/2010** |

### History

#### #1 - 02/08/2010 03:30 PM - Ilkay Altintas

What other visualization of data can we come up with in addition to plotting?

#### #2 - 10/18/2010 11:29 AM - Daniel Crawl

Thanks for the good screencast. I also played around with it and have some comments:

Plot Viewer:

```
- The initial ranges for the axes are too big. Removing the demo series and setting Auto Range for Both Axes w
ould probably fix this.
```

Plot Designer:

```
- The table doesn't seem to update when changes are made. For example, when I drag and drop a sensor onto the
table, the new row doesn't appear until I click elsewhere in the table. I also couldn't get the Delete Row but
ton to work.

- It might be nice to automatically select a different point type and color for each new row.

- The default table that appears when there are no plots is a little confusing since it doesn't produce a plot
 in the viewer. Maybe get rid of it?
```

Other:

```
- The plot designer view only shows up in EV Model. It'd be great to be able to use it for regular workflows.

- I also noticed the addition of the SpanDataListeners to the Sensor actor. Is this how sensor values are fed
to the plot? Alternatively, you could get the values from the input or output ports (e.g., Sensor's "data" por
t) using IOPortEventListener interface. This would allow any actor's (numerical) data to be plotted without ha
ving to modify the actor's code.

- Do the configurations of plots gets saved? It be might be nice to save the design in the KAR so they don't h
ave to be reconfigured each time.
```

#### #3 - 02/11/2011 10:29 AM - Sean Riddle

(In reply to comment #2)

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All the points in this comment have been addressed except for the last, saving sensor configurations in the KAR file. That seems like a distinct enough task that if enough people want it, a separate bug can be filed. Closing.

#### #4 - 02/14/2011 01:45 PM - Derik Barseghian

changing bugs from REAP to Kepler product

#### #5 - 03/27/2013 02:27 PM - Redmine Admin

Original Bugzilla ID was 4752