 

**Measuresoft Development Ltd.**

**Orchestrator User Task Data Modules**

**Version:** **4.8.0.4**



Data Modules

All Orchestrator data modules contain the following fields

|  |  |  |
| --- | --- | --- |
| **offset** | **size** | **name** |
| 0 |  | update 2 |
| 2 | 2 | lock |
| 4 | 2 | size |
| 6 | 4 | signal1 |
| 10 | 4 | signal2 |

These fields are used internally by Orchestrator and should not be overwritten by user tasks.

#### Results Data Modules

|  |  |  |
| --- | --- | --- |
| **offset** | **size** | **name** |
| 14 | 2 | header.name |
| 16 | 2 | header.format |
| 18 | 2 | header.no\_chans |
| 20 | 2 | header.error |
| 22 | 4 | header.speed |
| 26 | 4 | header.evm\_addr |
| 30 | 6 | header.con\_time |
| 36 | 4 | header.con\_addr |
| 40 | no\_chans | status |
| 40 + no chans | no chans\*4 | values |

|  |  |  |
| --- | --- | --- |
| header.name | two character channel prefix |  |
| header.format | number of bytes per channel | 1 = digital |
|  |  | 5 = analog |
|  | If format is 1 no analog values are stored in the data module. |  |
| header.no\_chans | number of channels |  |
| values | Only stored in analog data modules. |  |
|  | An array of 4 byte IEEE floating point numbers 1 per channel. |  |