

## Orbit3SensorCtrl Tango Python Class

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### Orbit3SensorCtrl Class Identification :

Contact : at mail.desy.de - trunez  
Class Family : MeasureInstruments  
Platform : Unix Like  
Bus : Ethernet  
Manufacturer : Solartron Metrology  
Manufacturer ref. : Orbit3

### Orbit3SensorCtrl Class Inheritance :

- [Tango::DeviceImpl](#)
  - Orbit3SensorCtrl

### Orbit3SensorCtrl Class Description :

Class connecting to the Orbit3 Measurement System

## Orbit3SensorCtrl Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
IPAddress	IP Address of the controller	String	none
PortNb	Port Number of the controller	int	10001

Orbit3SensorCtrl Class Commands				
Name	Input type	Output type	Level	Description
<a href="#">State</a>	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its device_state data member) and returns it to the caller.
<a href="#">Status</a>	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its device_status data member) and returns it to the caller.
<a href="#">ReadMeasurement</a>	DEV_LONG	DEV_DOUBLE	OPERATOR	Make a measurement and return the value in counts
<a href="#">SetAddr</a>	DEVVAR_STRINGARRAY	DEV_LONG	OPERATOR	Set Addr to a sensor with a given ID
				Return the

<a href="#">ReadMULTFactor</a>	DEV_LONG	DEV_LONG	OPERATOR	MULT factor for converting counts in units. It depends on the resolution.
<a href="#">SetResolution</a>	DEVVAR_LONGARRAY	DEV_VOID	OPERATOR	Set resolution. Possible values: 14, 16, 18

### **Command State :**

This command gets the device state (stored in its device\_state data member) and returns it to the caller.

<b>State Definition</b>		
Input Argument	Tango::DEV_VOID	none
Output Argument	Tango::DEV_STATE	Device state
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

### **Command Status :**

This command gets the device status (stored in its device\_status data member) and returns it to the caller.

<b>Status Definition</b>		
Input Argument	Tango::DEV_VOID	none
Output Argument	Tango::CONST_DEV_STRING	Device status
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

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### **Command ReadMeasurement :**

Make a measurement and return the value in counts

<b>ReadMeasurement Definition</b>		
Input Argument	Tango::DEV_LONG	Sensor ID
Output Argument	Tango::DEV_DOUBLE	Measured Value in counts
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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### **Command SetAddr :**

Set Addr to a sensor with a given ID

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<b>SetAddr Definition</b>		
Input Argument	Tango::DEVVAR_STRINGARRAY	Sensor ID, Address to set to
Output Argument	Tango::DEV_LONG	1 if correctly set
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

### **Command ReadMULTFactor :**

Return the MULT factor for converting counts in units. It depends on the resolution.

<b>ReadMULTFactor Definition</b>		
Input Argument	Tango::DEV_LONG	Sensor Adress
Output Argument	Tango::DEV_LONG	MULT factor
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

### **Command SetResolution :**

Set resolution. Possible values: 14, 16, 18



<b>SetResolution Definition</b>		
Input Argument	Tango::DEVVAR_LONGARRAY	Sensor Address, Resolution
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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**There is no attribute defined.**

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**There is no dynamic attribute defined.**

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<b>Orbit3SensorCtrl Class States</b>	
<b>Name</b>	<b>Description</b>
ON	
FAULT	