

---

## SIS3820 Tango Cpp Class

### **Contents :**

- [Description](#)
  - [Properties](#)
  - [Commands](#)
    - [State](#)
    - [Status](#)
    - [Reset](#)
    - [Read](#)
  - [Attributes](#)
    - [Counts](#)
    - [Offset](#)
  - [States](#)
- 

### **SIS3820 Class Identification :**

Contact : at desy.de - maria-teresa.nunez-pardo-de-  
vera  
Class Family : Instrumentation  
Platform : All Platforms  
Bus : VME  
Manufacturer : none  
Manufacturer :  
ref. :

### **SIS3820 Class**

#### **Inheritance :**

- [Tango::DeviceImpl](#)
  - SIS3820

### **SIS3820 Class Description :**

SIS3820 counter, MCS

---

## SIS3820 Properties :

### There is no class properties

Device Properties			
Name	Description	Type	Default Value
Base	VME base address. Default: 0x38000000 (939524096)	int	939524096
Channel	channel number	int	none
SimulationMode	0 real mode, 1 simulation mode	int	none
VmeCard	selets the VME card, can be 0 or 1, def.: 1	int	0

SIS3820 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 <i>device_state</i> 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 <i>device_status</i> data member) and returns it to the caller.
<a href="#">Reset</a>	DEV_VOID	DEV_LONG	OPERATOR	resets a channel, clears counter contents
<a href="#">Read</a>	DEV_VOID	DEV_LONG	OPERATOR	Return counter contents

### Command State :

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

State Definition

Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::DEV_STATE	State Code
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	Status description
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

---

### **Command Reset :**

resets a channel, clears counter contents

<b>Reset Definition</b>		
Input Argument	Tango::DEV_VOID	

Output Argument	Tango::DEV_LONG	return status
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

### **Command Read :**

Return counter contents

<b>Read Definition</b>		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_LONG	Counter contents
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

<b>SIS3820 Class Attributes</b>							
<b>Name</b>	<b>Inherited</b>	<b>Abstract</b>	<b>Attr. type</b>	<b>R/W type</b>	<b>Data type</b>	<b>Level</b>	<b>Description</b>
<a href="#">Counts</a>	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	OPERATOR	
<a href="#">Offset</a>	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	OPERATOR	

**There is no dynamic attribute defined.**

---

**Attribute Counts :**

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	false

---

**Attribute Offset :**

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	true
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	false

SIS3820 Class States	
Name	Description
ON	Counter is ready