

## PicoScaleCtrl Tango Cpp Class

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### **PicoScaleCtrl Class Identification :**

Contact : at desy.de - johannes.blume  
 Class Family : Instrumentation  
 Platform : Unix Like

### **PicoScaleCtrl Class Inheritance :**

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

Bus : Not Applicable  
 Manufacturer : http://www.smaract.de/  
 Manufacturer ref. : http://www.smaract.de/index.php/picoscale

**PicoScaleCtrl Class Description :**

Controller device class for SmarAct Picoscale Interferometer

**PicoScaleCtrl Properties :**

**There is no class properties**

Device Properties			
Name	Description	Type	Default Value
HostName	Hostname / IP address of controller	String	none
PortNumber	Port number of controller	short	0
MemBufferSize	Amount of memory assigned for stream data buffering	int	100000

PicoScaleCtrl 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="#">ChannelInfo</a>	DEV_LONG	DEVVAR_LONGARRAY	OPERATOR	None.
<a href="#">EnableStreaming</a>	DEVVAR_LONGARRAY	DEV_VOID	OPERATOR	None.
<a href="#">StreamingEnabled</a>	DEVVAR_LONGARRAY	DEV_BOOLEAN	OPERATOR	None.
<a href="#">Streamable</a>	DEVVAR_LONGARRAY	DEV_BOOLEAN	OPERATOR	None.
<a href="#">GetValue</a>	DEVVAR_LONGARRAY	DEV_DOUBLE	OPERATOR	None.
<a href="#">ChannelEnabled</a>	DEV_LONG	DEV_BOOLEAN	OPERATOR	None.
<a href="#">EnableChannel</a>	DEVVAR_LONGARRAY	DEV_VOID	OPERATOR	Enable or disable channel
<a href="#">CollectDataStart</a>	DEV_VOID	DEV_VOID	OPERATOR	Start data streaming
<a href="#">CollectDataStop</a>	DEV_VOID	DEV_VOID	OPERATOR	Stop data streaming

<a href="#">CollectDataTime</a>	DEV_ULONG	DEV_VOID	OPERATOR	Start data streaming for a specified time
<a href="#">SourceName</a>	DEV_LONG	DEV_STRING	OPERATOR	None.
<a href="#">GetPropertyValue32</a>	DEV_LONG	DEV_LONG	OPERATOR	Gets the value for a i32 property
<a href="#">SetPropertyValue32</a>	DEVVAR_LONGARRAY	DEV_VOID	OPERATOR	Sets the value for a i32 property
<a href="#">SetChannelInfo</a>	DEVVAR_STRINGARRAY	DEV_VOID	OPERATOR	set the channel info description for h5 files

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### **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	Device state
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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### **Command Status :**

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

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

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### Command ChannelInfo :

ChannelInfo Definition		
Input Argument	Tango::DEV_LONG	axis number
Output Argument	Tango::DEVVAR_LONGARRAY	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command NOT allowed for	<ul style="list-style-type: none"><li>• FAULT</li><li>• MOVING</li></ul>	..

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### Command EnableStreaming :

EnableStreaming Definition		
Input Argument	Tango::DEVVAR_LONGARRAY	axis number, data source number
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command NOT allowed for	<ul style="list-style-type: none"><li>• RUNNING</li><li>• FAULT</li><li>• EXTRACT</li><li>• ALARM</li><li>• MOVING</li></ul>	..

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### Command StreamingEnabled :

StreamingEnabled Definition		
Input Argument	Tango::DEVVAR_LONGARRAY	axis number, data source number

Output Argument	Tango::DEV_BOOLEAN	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command NOT allowed for	<ul style="list-style-type: none"> <li>• RUNNING</li> <li>• FAULT</li> <li>• EXTRACT</li> <li>• MOVING</li> </ul>	..

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**Command Streamable :**

Streamable Definition		
Input Argument	Tango::DEVVAR_LONGARRAY	axis number, data source number
Output Argument	Tango::DEV_BOOLEAN	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command NOT allowed for	<ul style="list-style-type: none"> <li>• FAULT</li> <li>• ALARM</li> <li>• MOVING</li> </ul>	..

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**Command GetValue :**

GetValue Definition		
Input Argument	Tango::DEVVAR_LONGARRAY	channel index, source index
Output Argument	Tango::DEV_DOUBLE	value
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command NOT allowed for	<ul style="list-style-type: none"> <li>• RUNNING</li> <li>• FAULT</li> <li>• MOVING</li> </ul>	..

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**Command ChannelEnabled :**

ChannelEnabled Definition		
Input Argument	Tango::DEV_LONG	channel number
Output Argument	Tango::DEV_BOOLEAN	true: enabled false: disables
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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**Command EnableChannel :**

Enable or disable channel

EnableChannel Definition		
Input Argument	Tango::DEVVAR_LONGARRAY	channel number, enable = 1/disable=0
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command NOT allowed for	• MOVING	..

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**Command CollectDataStart :**

Start data streaming

<b>CollectDataStart Definition</b>		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
		..
Command NOT allowed for	<ul style="list-style-type: none"> <li>• RUNNING</li> <li>• FAULT</li> <li>• EXTRACT</li> <li>• ALARM</li> <li>• MOVING</li> </ul>	..

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### **Command CollectDataStop :**

Stop data streaming

<b>CollectDataStop Definition</b>		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
		..
Command NOT allowed for	<ul style="list-style-type: none"> <li>• ON</li> <li>• EXTRACT</li> <li>• ALARM</li> <li>• MOVING</li> </ul>	..

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### **Command CollectDataTime :**

Start data streaming for a specified time

<b>CollectDataTime Definition</b>		
Input Argument	Tango::DEV_ULONG	time to stream in milliseconds
Output Argument	Tango::DEV_VOID	

DisplayLevel Inherited	OPERATOR false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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**Command SourceName :**

SourceName Definition		
Input Argument	Tango::DEV_LONG	datasource type
Output Argument	Tango::DEV_STRING	name for this type of data source
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command NOT allowed for	<ul style="list-style-type: none"> <li>• RUNNING</li> <li>• FAULT</li> <li>• MOVING</li> </ul>	..

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**Command GetPropertValue32 :**

Gets the value for a i32 property

GetPropertValue32 Definition		
Input Argument	Tango::DEV_LONG	property key
Output Argument	Tango::DEV_LONG	value
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command NOT allowed for	<ul style="list-style-type: none"> <li>• RUNNING</li> <li>• FAULT</li> <li>• MOVING</li> </ul>	..

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**Command SetPropertyValue32 :**

Sets the value for a i32 property

SetPropertyValue32 Definition		
Input Argument	Tango::DEVVAR_LONGARRAY	0: property key 1: value
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command NOT allowed for	<ul style="list-style-type: none"><li>• RUNNING</li><li>• FAULT</li><li>• MOVING</li></ul>	..

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**Command SetChannellInfo :**

set the channel info description for h5 files

SetChannellInfo Definition		
Input Argument	Tango::DEVVAR_STRINGARRAY	0: Channel 1: Description string
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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PicoScaleCtrl Class Attributes							
Name	Inherited	Abstract	Attr.	R/W type	Data type	Level	Description

			type				
<a href="#">FileDir</a>	false	false	Scalar	READ_WRITE	Tango::DEV_STRING	OPERATOR	The directory data files will be saved in
<a href="#">FilePrefix</a>	false	false	Scalar	READ_WRITE	Tango::DEV_STRING	OPERATOR	The directory data files will be saved in
<a href="#">FileStartNum</a>	false	false	Scalar	READ_WRITE	Tango::DEV_LONG	OPERATOR	
<a href="#">FilePostfix</a>	false	false	Scalar	READ_WRITE	Tango::DEV_STRING	OPERATOR	The file name extension of your data files. A dot between filename and extension will be added.
<a href="#">FileSaving</a>	false	false	Scalar	READ_WRITE	Tango::DEV_BOOLEAN	OPERATOR	Whether to save files  true: files will be written false: files will not be written
<a href="#">FullAccess</a>	false	false	Scalar	READ_WRITE	Tango::DEV_BOOLEAN	OPERATOR	Whether we have a full access connection true: full access false: limited access
<a href="#">SystemState</a>	false	false	Scalar	READ	Tango::DEV_BOOLEAN	OPERATOR	
<a href="#">FrameRate</a>	false	false	Scalar	READ_WRITE	Tango::DEV_LONG	OPERATOR	
<a href="#">MaxFrameRate</a>	false	false	Scalar	READ	Tango::DEV_LONG	OPERATOR	
<a href="#">FrameAggregation</a>	false	false	Scalar	READ	Tango::DEV_LONG	OPERATOR	
<a href="#">DeviceId</a>	false	false	Scalar	READ	Tango::DEV_STRING	OPERATOR	
<a href="#">Trigger</a>	false	false	Scalar	READ_WRITE	Tango::DEV_BOOLEAN	OPERATOR	
<a href="#">TriggerFrames</a>	false	false	Scalar	READ_WRITE	Tango::DEV_LONG	OPERATOR	Number of data frames to send in triggered data acquisition mode once the trigger line goes up.

<a href="#">H5ChunkSize</a>	false	false	Scalar	READ_WRITE	Tango::DEV_LONG	EXPERT	
<a href="#">ExpectedTriggers</a>	false	false	Scalar	READ_WRITE	Tango::DEV_LONG	OPERATOR	Number of data frames to send in triggered data acquisition mode once the trigger line goes up.
<a href="#">AdvancedTriggering</a>	false	false	Scalar	READ	Tango::DEV_BOOLEAN	OPERATOR	
<a href="#">NumberOfStreamBuffers</a>	false	false	Scalar	READ_WRITE	Tango::DEV_LONG	EXPERT	

**There is no dynamic attribute defined.**

**Attribute FileDir :**

The directory data files will be saved in

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_STRING
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	true
Read allowed for	All states
Write NOT allowed for	<ul style="list-style-type: none"> <li>• RUNNING</li> </ul>

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 FilePrefix :**

The directory data files will be saved in

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_STRING
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	true
Read allowed for	All states
Write NOT allowed for	<ul style="list-style-type: none"><li>• RUNNING</li></ul>

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

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### **Attribute FileStartNum :**

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_LONG
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	
min_value	
max_alarm	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not

Read allowed for	All states
Write NOT allowed for	• RUNNING

min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

	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 FilePostfix :**

The file name extension of your data files. A dot between filename and extension will be added.

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

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 FileSaving :**

Whether to save files

true: files will be written  
false: files will not be written

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_BOOLEAN
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states
Write NOT allowed for	<ul style="list-style-type: none"> <li>• RUNNING</li> <li>• FAULT</li> <li>• EXTRACT</li> <li>• MOVING</li> </ul>

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 FullAccess :**

Whether we have a full access connection  
true: full access  
false: limited access

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_BOOLEAN
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	
min_value	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set

Memorized	true
Write hardware at init.	true
Read NOT allowed for	• RUNNING
Write NOT allowed for	• RUNNING

max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

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 SystemState :**

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_BOOLEAN
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read NOT allowed for	• RUNNING

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 FrameRate :**

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_LONG
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	true
Read NOT allowed for	<ul style="list-style-type: none"> <li>• RUNNING</li> </ul>
Write NOT allowed for	<ul style="list-style-type: none"> <li>• RUNNING</li> </ul>

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 MaxFrameRate :**

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_LONG
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read NOT allowed for	<ul style="list-style-type: none"> <li>• RUNNING</li> </ul>

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
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**Attribute FrameAggregation :**

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_LONG
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read NOT allowed for	<ul style="list-style-type: none"> <li>RUNNING</li> </ul>

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 DeviceId :**

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_STRING
Display Level	OPERATOR
Inherited	false

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set

Abstract	false
Polling Period	Not polled
Memorized	Not set
Read NOT allowed for	<ul style="list-style-type: none"> <li>• RUNNING</li> </ul>

max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

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 Trigger :**

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_BOOLEAN
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states
Write NOT allowed for	<ul style="list-style-type: none"> <li>• RUNNING</li> </ul>

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 TriggerFrames :**

Number of data frames to send in triggered data acquisition mode once the trigger line

goes up.

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_LONG
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states
Write NOT allowed for	<ul style="list-style-type: none"> <li>RUNNING</li> </ul>

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 H5ChunkSize :**

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_LONG
Display Level	EXPERT
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	true
Read 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	

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

Write allowed for	All states
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delta_time	
delta_val	

Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	false

**Attribute ExspectedTriggers :**

Number of data frames to send in triggered data acquisition mode once the trigger line goes up.

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_LONG
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states
Write NOT allowed for	<ul style="list-style-type: none"> <li>RUNNING</li> </ul>

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 AdvancedTriggering :**

Attribute Definition	
Attribute Type	

Attribute Properties	
label	

Attribute Event Criteria	
Periodic	Not set

	Scalar
R/W Type	READ
Data Type	Tango::DEV_BOOLEAN
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

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

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 NumberOfStreamBuffers :**

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_LONG
Display Level	EXPERT
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

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<b>PicoScaleCtrl Class States</b>	
<b>Name</b>	<b>Description</b>
ON	The server is ready for data acquisition
RUNNING	The server is acquiring data
FAULT	Something went wrong, check status
EXTRACT	The server is processing data after acquisition stopped
ALARM	May be set if unexpected events are generated by the device. Status will tell you which type of event caused the alarm.
MOVING	We will see this state only when the adjustment procedure is running