

## OxfCryostreamCoolerCtrl Tango Cpp Class

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### OxfCryostreamCoolerCtrl Class

#### Identification :

Contact : at mail.desy.de - tnunez  
Class Family : Instrumentation  
Platform : Unix Like  
Bus : Data Socket  
Manufacturer : Oxford Cryosystems  
Manufacturer : 700 Series Cryostream  
ref. Cooler

### OxfCryostreamCoolerCtrl Class

#### Inheritance :

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

## OxfCryostreamCoolerCtrl Class Description :

Class for talking via socket to the 700 Series Cryostream Cooler from Oxford Cryosystem.

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## OxfCryostreamCoolerCtrl Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
IpAddr	IP Address	String	none
PortNb	Port Number	int	none
SimulationMode	1 if simulation mode	int	0

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OxfCryostreamCoolerCtrl 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="#">WriteSocket</a>	DEVVAR_SHORTARRAY	DEV_VOID	OPERATOR	Send command to socket.
<a href="#">ReadStatus</a>	DEV_SHORT	DEV_SHORT	OPERATOR	Return selected field from status info
<a href="#">Hold</a>	DEV_VOID	DEV_VOID	OPERATOR	None.
<a href="#">Pause</a>	DEV_VOID	DEV_VOID	OPERATOR	None.
<a href="#">Resume</a>	DEV_VOID	DEV_VOID	OPERATOR	None.
<a href="#">StopCooler</a>	DEV_VOID	DEV_VOID	OPERATOR	None.
<a href="#">SwitchTurbo</a>	DEV_SHORT	DEV_VOID	OPERATOR	None.
<a href="#">Ramp</a>	DEVVAR_DOUBLEARRAY	DEV_VOID	OPERATOR	None.
<a href="#">Plat</a>	DEV_DOUBLE	DEV_VOID	OPERATOR	None.
<a href="#">Cool</a>	DEV_DOUBLE	DEV_VOID	OPERATOR	None.
<a href="#">ShutdownCooler</a>	DEV_DOUBLE	DEV_VOID	OPERATOR	None.

## **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	..

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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.

<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 WriteSocket :**

Send command to socket.

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

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## **Command ReadStatus :**

Return selected field from status info

<b>ReadStatus Definition</b>		
Input Argument	Tango::DEV_SHORT	Selected field
Output Argument	Tango::DEV_SHORT	Value as short
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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## **Command Hold :**

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

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### Command Pause :

Pause Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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### Command Resume :

Resume Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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## Command StopCooler :

StopCooler Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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## Command SwitchTurbo :

SwitchTurbo Definition		
Input Argument	Tango::DEV_SHORT	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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## Command Ramp :

Ramp Definition		
Input Argument	Tango::DEVVAR_DOUBLEARRAY	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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**Command Plat :**

Plat Definition		
Input Argument	Tango::DEV_DOUBLE	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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**Command Cool :**

Cool Definition
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Input Argument	Tango::DEV_DOUBLE	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

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### **Command ShutdownCooler :**

<b>ShutdownCooler Definition</b>		
Input Argument	Tango::DEV_DOUBLE	
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>OxfCryostreamCoolerCtrl Class States</b>	
<b>Name</b>	<b>Description</b>
ON	No problems in connection
FAULT	Connections failed.

<b>Name</b>	<b>Description</b>
ON	No problems in connection
FAULT	Connections failed.