



TANGO
Device
Server

Wrapper for CryoSpy TACO server User's Guide

CryoWrapper Class

Revision: CryoWrapper-Release_2_0 - Author: meyer
Implemented in C++ - CVS repository: ESRF

Introduction:

A wrapper class for the TACO device server controlling the cryo system.

Class Inheritance:

- Tango::Device_4Impl
 - CryoWrapper

Class Description:

A wrapper class for the TACO device server controlling the cryo system.

Properties:

Device Properties		
Property name	Property type	Description
TacoDeviceName	Tango::DEV_STRING	Name of TACO device

Device Properties Default Values:

Property Name	Default Values
TacoDeviceName	No default value

There is no Class properties.

States:

States	
Names	Descriptions
UNKNOWN	The cryo cannot be read
ON	Everything is OK.
ALARM	Alarm on attribute values

Attributes:

Scalar Attributes			
Attribute name	Data Type	R/W Type	Expert
IcingStatus	DEV_SHORT	READ	No
DryerStatus	DEV_SHORT	READ	No
SuperDryerStatus	DEV_SHORT	READ	No
N2Level	DEV_SHORT	READ	No
Temperature	DEV_DOUBLE	READ	No
TemperatureError	DEV_DOUBLE	READ	No
TemperatureEvaporator	DEV_DOUBLE	READ	No
GasHeater	DEV_SHORT	READ	No
VersionNumber	DEV_SHORT	READ	No

Commands:

More Details on commands....

Device Commands for Operator Level		
Command name	Argument In	Argument Out
Init	DEV_VOID	DEV_VOID
State	DEV_VOID	DEV_STATE
Status	DEV_VOID	CONST_DEV_STRING

1 - Init

- Description:** This commands re-initialise a device keeping the same network connection.
 After an Init command executed on a device, it is not necessary for client to re-connect to the device.
 This command first calls the device *delete_device()* method and then execute its *init_device()* method.
 For C++ device server, all the memory allocated in the *nit_device()* method must be freed in the *delete_device()* method.
 The language device desctructor automatically calls the *delete_device()* method.
- Argin:**
DEV_VOID : none.
- Argout:**
DEV_VOID : none.

- **Command allowed for:**

- Tango::UNKNOWN
- Tango::ON
- Tango::ALARM

2 - State

- **Description:** This command gets the device state (stored in its *device_state* data member) and returns it to the caller.

- **Argin:**

DEV_VOID : none.

- **Argout:**

DEV_STATE : State Code

- **Command allowed for:**

- Tango::UNKNOWN
- Tango::ON
- Tango::ALARM

3 - Status

- **Description:** This command gets the device status (stored in its *device_status* data member) and returns it to the caller.

- **Argin:**

DEV_VOID : none.

- **Argout:**

CONST_DEV_STRING : Status description

- **Command allowed for:**

- Tango::UNKNOWN
- Tango::ON
- Tango::ALARM

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