



TANGO
Device
Server

Bruker Multi channels wrapper User's Guide

BrukerMchWrapper Class

Revision: BrukerMchWrapper-Release_1_1 - Author: bourtemb
Implemented in C++ - CVS repository: ESRF

Introduction:

This class is a Wrapper to control the Bruker multi channels power supplies via the taco devices.

Class Inheritance:

- Tango::Device_4Impl
 - BrukerMchWrapper

Properties:

| Device Properties | | |
|--------------------------|----------------------|-----------------------------------|
| Property name | Property type | Description |
| Channels_list | Array of string | List of the channels device names |

Device Properties Default Values:

| Property Name | Default Values |
|----------------------|-----------------------|
| Channels_list | No default value |

There is no Class properties.

States:

| States | |
|----------------|---------------------|
| Names | Descriptions |
| ON | * |
| OFF | * |
| FAULT | * |
| UNKNOWN | |

Attributes:

| Spectrum Attributes | | | |
|----------------------------|------------------|----------------------|---------------|
| Attribute name | Data Type | X Data Length | Expert |
| Current | DEV_DOUBLE | 18 | 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 |
| On | DEV_VOID | DEV_VOID |
| Off | DEV_VOID | DEV_VOID |
| Reset | DEV_VOID | DEV_VOID |

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::ON
 - Tango::OFF
 - Tango::FAULT
 - Tango::UNKNOWN

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::ON
- Tango::OFF
- Tango::FAULT
- Tango::UNKNOWN

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::ON
 - Tango::OFF
 - Tango::FAULT
 - Tango::UNKNOWN

4 - On

- **Description:**
- **Argin:**
DEV_VOID :
- **Argout:**
DEV_VOID :
- **Command allowed for:**
 - Tango::ON
 - Tango::OFF
 - Tango::FAULT
 - Tango::UNKNOWN

5 - Off

- **Description:**
- **Argin:**
DEV_VOID :

- **Argout:**
DEV_VOID :

- **Command allowed for:**

- Tango::ON
- Tango::OFF
- Tango::FAULT
- Tango::UNKNOWN

6 - Reset

- **Description:**

- **Argin:**
DEV_VOID :

- **Argout:**
DEV_VOID :

- **Command allowed for:**

- Tango::ON
- Tango::OFF
- Tango::FAULT
- Tango::UNKNOWN

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