

Mar345Ctrl Tango Cpp Class

Contents :

- [Description](#)
- [Properties](#)
- [Commands](#)
 - [State](#)
 - [Status](#)
 - [WriteReadSocket](#)
 - [Erase](#)
 - [Scan](#)
 - [ChangeMode](#)
- [Attributes](#)
 - [LastSetMode](#)
 - [SavingDirectory](#)
 - [SavingPrefix](#)
- [States](#)

Mar345Ctrl Class Identification :

Contact : at mail.desy.de - tneuz
Class Family : Instrumentation
Platform : Unix Like
Bus : Data Socket
Manufacturer : Rayonix
Manufacturer ref. : mar345

Mar345Ctrl Class Inheritance :

- [Tango::DeviceImpl](#)
 - Mar345Ctrl

Mar345Ctrl Class Description :

Class for making the socket connection to the Mar345 Server.

Mar345Ctrl Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
IpAddr	Ip address of the server computer.	String	none
PortNb	Port Number for connecting to the detector server.	int	none
SimulationMode	0 -> real mode, 1 -> simulation mode	int	0

Mar345Ctrl Class Commands				
Name	Input type	Output type	Level	Description
State	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.
Status	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.
WriteReadSocket	DEV_STRING	DEV_STRING	OPERATOR	Writes a command to the socket and gets the answer.
Erase	DEV_VOID	DEV_VOID	OPERATOR	None.
Scan	DEV_VOID	DEV_VOID	OPERATOR	None.
ChangeMode	DEV_LONG	DEV_VOID	OPERATOR	Change the scanmode to: 1200, 1600, 2000, 2300, 1800, 2400, 3000 or 3450.

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.

Status Definition		
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 WriteReadSocket :

Writes a command to the socket and gets the answer.

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

Command Erase :

Erase 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	..

Command Scan :

Scan 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	..

Command ChangeMode :

Change the scanmode to: 1200, 1600, 2000, 2300, 1800, 2400, 3000 or 3450.

ChangeMode Definition		
Input Argument	Tango::DEV_LONG	Mode to set.
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Mar345Ctrl Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
LastSetMode	false	false	Scalar	READ	Tango::DEV_LONG	OPERATOR	
SavingDirectory	false	false	Scalar	READ_WRITE	Tango::DEV_STRING	OPERATOR	
SavingPrefix	false	false	Scalar	READ_WRITE	Tango::DEV_STRING	OPERATOR	

There is no dynamic attribute defined.

Attribute LastSetMode :

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_LONG
Display Level	OPERATOR

Attribute Properties	
label	
unit	
standard unit	
display unit	

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

Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

format	
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	Not set

Attribute SavingDirectory :

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 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	Not set

Attribute SavingPrefix :

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 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	Not set

Mar345Ctrl Class States	
Name	Description
ON	
FAULT	

MOVING

--