

MDGG8 Tango Cpp Class

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MDGG8 Class Identification :

Contact : at desy.de - maria-teresa.nunez-pardo-de-vera
Class Family : Instrumentation
Platform : Unix Like
Bus : VME
Manufacturer : none
Manufacturer ref. :

MDGG8 Class Inheritance :

- [Tango::DeviceImpl](#)
 - MDGG8

MDGG8 Class Description :

dual gate generator, version 2, DESY

MDGG8 Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
Base	vme base address	int	none
Channel	Channel number: 0 channel A, 1 channel B	int	none
SimulationMode	0 real mode, 1 simulation mode.	int	0

MDGG8 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.
Start	DEV_VOID	DEV_LONG	OPERATOR	start the timer, sample time is an attribute
Stop	DEV_VOID	DEV_LONG	OPERATOR	stops the timer
Check	DEV_VOID	DEV_LONG	OPERATOR	returns 1, if the timer is busy
Read	DEV_VOID	DEV_LONG	OPERATOR	returns the remaining time in musecs
StartPreset	DEV_VOID	DEV_LONG	OPERATOR	start the timer in preset mode, sample time is an attribute

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	false	..

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 Start :

start the timer, sample time is an attribute

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

Command Stop :

stops the timer

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

Command Check :

returns 1, if the timer is busy

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

Command Read :

returns the remaining time in musecs

RemainingTime	false	false	Scalar	READ	Tango::DEV_DOUBLE	OPERATOR	time in seconds
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There is no dynamic attribute defined.

Attribute SampleTime :

SampleTime in seconds

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	
unit	s
standard unit	
display unit	
format	
max_value	4294.9673
min_value	0
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 RemainingTime :

Remaining time in seconds

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

Attribute Properties	
label	
unit	s
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

MDGG8 Class States	
Name	Description
ON	Timer is ready
MOVING	