

## VDOT32 Tango Cpp Class

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### **VDOT32 Class Identification :**

Contact : at mail.desy.de - tnunez  
 Class Family : InputOutput  
 Platform : Unix Like  
 Bus : VME  
 Manufacturer : JanzTec  
 Manufacturer ref. : VDOT32

### **VDOT32 Class Inheritance :**

- [Tango::DeviceImpl](#)
  - VDOT32

### **VDOT32 Class Description :**

Class for controlling the vdot32 io register from JanzTec

### **VDOT32 Properties :**

**There is no class properties**

Device Properties
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Name	Description	Type	Default Value
Base	VME base address. Default value 0xa80 (in decimal 69632)	int	2688
Channel	Channel number. Each module has 32 channels.	int	0
SimulationMode	0 real mode, 1 simulation mode	int	0
FlagInputOutput	0 if input channel, 1 if output	int	0
VmeCard	selects the VME card, can be 0 or 1, def.: 0	int	0

VDOT32 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="#">InitVDOT32</a>	DEV_VOID	DEV_LONG	OPERATOR	Init VDOT32 and set FlagVDOT32Init flag

### **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	Device state
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.

<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	..

## **Command InitVDOT32 :**

Init VDOT32 and set FlagVDOT32Init flag

<b>InitVDOT32 Definition</b>		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_LONG	Completion status
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

<b>VDOT32 Class Attributes</b>							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
<a href="#">Value</a>	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	OPERATOR	

<a href="#">FlagVDOT32Init</a>	false	false	Scalar	READ	Tango::DEV_BOOLEAN	OPERATOR	True if vdot32 is initialized
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**There is no dynamic attribute defined.**

**Attribute Value :**

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	
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	false

**Attribute FlagVDOT32Init :**

True if vdot32 is initialized

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

VDOT32 Class States	
Name	Description
ON	
FAULT	