

TIP830u20 Tango Cpp Class

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TIP830u20 Class Identification :

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

TIP830u20 Class Inheritance :

- [Tango::DeviceImpl](#)
 - TIP830u20

TIP830u20 Class Description :

Implements a channel of a TIP830-20 ADC

TIP830u20 Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
Base	VME base address	int	2048
Channel	ADC channel	int	0
SimulationMode	0 real mode, 1 simulation mode	int	none
VmeCard	selects the VME card, can be 0 or 1, def.: 0	int	0

TIP830u20 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.

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	..



TIP830u20 Class Attributes

Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
Value	false	false	Scalar	READ	Tango::DEV_DOUBLE	OPERATOR	ADC value

There is no dynamic attribute defined.

Attribute Value :

ADC value

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	
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
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TIP830u20 Class States	
Name	Description
ON	ADC is ready
FAULT	Problems in ADC