

PressureGauge Tango Cpp Class

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PressureGauge Class Identification :

Contact : at esrf.fr - accelerator-control

Class Family : AbstractClasses

Platform : All Platforms

Bus : Not Applicable

Manufacturer : none

Manufacturer ref. :

PressureGauge Class Inheritance :

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

PressureGauge Class Description :

This is the abstract class for pressure measuring gauges.

PressureGauge Properties :

There is no class properties

There is no device properties

PressureGauge 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.
On	DEV_VOID	DEV_VOID	OPERATOR	Sets the gauge ON.
Off	DEV_VOID	DEV_VOID	OPERATOR	Sets the gauge OFF.

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 On :

Sets the gauge ON.

On Definition		

Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	null	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Off :

Sets the gauge OFF.

Off Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	null	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

PressureGauge Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
Pressure	null	true	Scalar	READ	Tango::DEV_DOUBLE	OPERATOR	

There is no dynamic attribute defined.

Attribute Pressure :

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	null
Abstract	true
Polling Period	Not polled
Memorized	Not set
Read NOT allowed for	<ul style="list-style-type: none"> • OFF • FAULT • ALARM • DISABLE • UNKNOWN

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	Not set
Push Archive event by user code	Not set
Push DataReady event by user code	Not set

PressureGauge Class States	
Name	Description
ON	This is the normal state when the gauge is ON and runs smoothly.
OFF	This is the state when the gauge is OFF.
FAULT	This is the state when the gauge has a fault.
ALARM	This is the state when there is an alarm for the given gauge.
DISABLE	This is the state when the gauge has been disabled.
UNKNOWN	This is the state when the state can not be determined.