

LeyboldGaugeController Tango Python Class

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LeyboldGaugeController Class Identification : LeyboldGaugeController Class Inheritance :

- | | |
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| <ul style="list-style-type: none"> Contact : at null - null Class Family : Platform : Bus : Manufacturer : Manufacturer ref. : | <ul style="list-style-type: none"> ○ Tango::DeviceImpl <ul style="list-style-type: none"> ▪ LeyboldGaugeController |
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LeyboldGaugeController Class Description :

This Device Server allows to communicate with LeyboldGauge Controllers.
 The target is reading the pressure from 4/6 channels available.

LeyboldGaugeController Properties :

Class Properties			

Name	Description	Type	Default Value
Refresh	Refresh period (s) for each attribute of the device.	double	1.

Device Properties			
Name	Description	Type	Default Value
SerialLine	Serial line device server used to communicate with the Gauge Controller	String	none
Model	LeyboldGauge	String	LeyboldGauge

LeyboldGaugeController 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.
SendCommand	DEV_STRING	DEV_STRING	EXPERT	None.

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 SendCommand :

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

LeyboldGaugeController Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
P1	false	false	Scalar	READ	Tango::DEV_DOUBLE	OPERATOR	
P2	false	false	Scalar	READ	Tango::DEV_DOUBLE	OPERATOR	
P3	false	false	Scalar	READ	Tango::DEV_DOUBLE	OPERATOR	
P4	false	false	Scalar	READ	Tango::DEV_DOUBLE	OPERATOR	

ChannelState	false	false	Spectrum	READ	Tango::DEV_STRING	OPERATOR	
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There is no dynamic attribute defined.

Attribute P1 :

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	mbar
standard unit	
display unit	
format	scientific;uppercase;setprecision(3)
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 P2 :

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	mbar
standard unit	
display unit	
format	scientific;uppercase;setprecision(3)
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 P3 :

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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	mbar
standard unit	
display unit	
format	scientific;uppercase;setprecision(3)
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 P4 :

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

Attribute Properties	
label	
unit	mbar
standard unit	
display unit	
format	scientific;uppercase;setprecision(3)
max_value	

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

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 ChannelState :

Attribute Definition	
Attribute Type	Spectrum (6)
R/W Type	READ
Data Type	Tango::DEV_STRING
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

LeyboldGaugeController Class States

Name	Description
INIT	
ON	
OFF	
ALARM	
UNKNOWN	