Keithley617 Tango Cpp Class

Contents :

- Description
- Properties
- Commands
  - State
  - Status
- Attributes
  - Mode
  - Value
- States

Keithley617 Class Identification :

Contact	: at desy.de - johannes.blume
Class Family	: Instrumentation
Platform	: Unix Like
Bus	: Ethernet
Manufacturer	: none
Manufacturer ref.	:

Keithley617 Class Inheritance :

- Tango::DeviceImpl
  - Keithley617

Keithley617 Class Description :

Keithley617 Properties :

There is no class properties

Device Properties			
Name	**Description**	**Type**	**Default Value**
GpibAddress	GPIB primary device address	short	none
GpibController	Name of prologix GPIB controller tango device	String	none

---

Keithley617 Class Commands				
Name	**Input type**	**Output type**	**Level**	**Description**
State	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its device_state data member) and returns it to the caller.
Status	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.

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.

Status Definition		
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	..

Keithley617 Class Attributes							
Name	**Inherited**	**Abstract**	**Attr. type**	**R/W type**	**Data type**	**Level**	**Description**
Mode	false	false	Scalar	READ_WRITE	Tango::DEV_SHORT	OPERATOR	Set measurement method 0: Volt 1: Amp 2: Ohm 3:Coul
Value	false	false	Scalar	READ	Tango::DEV_DOUBLE	OPERATOR	Read value for currently set mode

There is no dynamic attribute defined.

Attribute Mode :

Set measurement method

0: Volt
1: Amp
2: Ohm
3:Coul

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_SHORT
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	true
Read NOT allowed for	• FAULT
Write NOT allowed for	• FAULT

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	
max_value	3
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	false

Attribute Value :

Read value for currently set mode

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	false

Keithley617 Class States	
Name	Description

~~ON~~ FAULT	