

PT104Pico Tango Python Class

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PT104Pico Class Identification :

Contact : at mail.desy.de - tnunez
Class Family : MeasureInstruments
Platform : Unix Like
Bus : Ethernet
Manufacturer : Pico Technologies
Manufacturer ref. : PT-104

PT104Pico Class Inheritance :

- [Tango::DeviceImpl](#)
 - PT104Pico

PT104Pico Class Description :

Communication with PT-104 Platinum Resistance Data Logger.

PT104Pico Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
Hostname	Hostname of the PT-104 controller	String	none
PortNumber	Port number	int	212
Gain	Gain set in PT104, in binary. Four bits (one per channel): 0 -> 1, 1 -> 21 Ex. 1111 (all channels gain 21), 0001 (first channel gain 21)	String	0

PT104Pico 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.
ReadValue	DEVVAR_LONGARRAY	DEV_DOUBLE	OPERATOR	Return the last measured value for the given channel. Measurement type: 0 ->

				temperature, 1 - > resistance, 2 - > voltage single ended, 3 -> voltage differential
StopThread	DEV_VOID	DEV_VOID	OPERATOR	Stop thread. Call it before stopping tango server.

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	..

Command ReadValue :

Return the last measured value for the given channel.

Measurement type: 0 -> temperature, 1 -> resistance, 2 -> voltage single ended, 3 -> voltage differential

ReadValue Definition		
Input Argument	Tango::DEVVAR_LONGARRAY	Channel Number, measurement type
Output Argument	Tango::DEV_DOUBLE	Measured value
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command StopThread :

Stop thread. Call it before stopping tango server.

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

There is no attribute defined.

There is no dynamic attribute defined.

PT104Pico Class States	
Name	Description
ON	
FAULT	

DISABLE	After stopping thread. Tango device has to be restarted to work again.
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