

edu.wpi.first.wpilibj

Class GyroHax

java.lang.Object  
  edu.wpi.first.wpilibj.SensorBase  
    edu.wpi.first.wpilibj.Gyro  
      edu.wpi.first.wpilibj.GyroHax

All Implemented Interfaces:

IDevice, ISensor, PIDSource

Direct Known Subclasses:

CompensatingGyro

public class **GyroHax**  
extends Gyro

Extender class for the Gyro class that exposes the underlying AnalogChannel.

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Field Summary

Fields inherited from class edu.wpi.first.wpilibj.SensorBase

kAnalogChannels, kAnalogModules, kDigitalChannels, kPwmChannels, kRelayChannels, kSolenoidChannels, kSolenoidModules, kSystemClockTicksPerMicrosecond

Constructor Summary

Constructors

Constructor and Description

**GyroHax**(AnalogChannel channel)  
Initializes a new GyroHax on the specified AnalogChannel.

**GyroHax**(int port)  
Initializes a new GyroHax on the specified PWM port.

**GyroHax**(int slot, int port)  
Initializes a new GyroHax on the specified PWM port on the specified module port.

Method Summary

Methods

Modifier and Type	Method and Description
AnalogChannel	<b>getAnalogChannel</b> () Gets the raw AnalogChannel.

Methods inherited from class edu.wpi.first.wpilibj.Gyro

free, getAngle, pidGet, reset, setSensitivity

Methods inherited from class edu.wpi.first.wpilibj.SensorBase

checkAnalogChannel, checkAnalogModule, checkDigitalChannel, checkDigitalModule, checkPWMChannel, checkPWMModule, checkRelayChannel, checkRelayModule, checkSolenoidChannel, checkSolenoidModule, getDefaultAnalogModule, getDefaultDigitalModule, getDefaultSolenoidModule, setDefaultAnalogModule, setDefaultDigitalModule, setDefaultSolenoidModule

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructor Detail

### GyroHax

```
public GyroHax(int port)
```

Initializes a new GyroHax on the specified PWM port. Note that port must be 1 or 2!

**Parameters:**

port - The PWM port the gyro is plugged into. Must be 1 or 2!

### GyroHax

```
public GyroHax(int slot,
               int port)
```

Initializes a new GyroHax on the specified PWM port on the specified module port. Note that port must be 1 or 2!

**Parameters:**

slot - The module slot the gyro is plugged into.

port - The PWM port the gyro is plugged into. Must be 1 or 2!

### GyroHax

```
public GyroHax(AnalogChannel channel)
```

Initializes a new GyroHax on the specified AnalogChannel. Note that port must be 1 or 2!

**Parameters:**

channel - The AnalogChannel the gyro is plugged into.

## Method Detail

### getAnalogChannel

```
public AnalogChannel getAnalogChannel()
```

Gets the raw AnalogChannel.

**Returns:**

The raw AnalogChannel.

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