

# torqueStat

Display the torque status of Herkulex motor

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## Syntax

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```
torqueStat(sObject,pID)
```

## Description

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Display the torque status of the specified Herkulex motor.

- RAM address for torque: 0x34(52).
- Torque status: Torque on(0x60), Break on(0x40), Torque free (0x00).

## Input Arguments

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- sObject - serial port object

## Output Arguments

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- pID - integer

## Function Codes

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```
function torqueStat(sObject,pID)

    packet = pkGen(pID,04,'3401'); % Addr: 0x34(52), read 1 byte data

    inHkx(sObject,packet);

    msg = outHkx(sObject);

    % Interpret torque status

    if strcmp(msg(19:20),'60')
```

```
        fprintf('Torque status: Torque on for motor %d\n', pID);

elseif strcmp(msg(19:20), '40')

        fprintf('Torque status: Break on for motor %d\n', pID);

else

        fprintf('Torque status: Torque free for motor %d\n', pID);

end

end

end
```