

getEKp

Get the Proportional Gain (Kp) in EEPROM of the Herkulex motor

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Syntax

```
EKp = getEKp(sObject,pID)
```

Description

EKp = getEKp(sObject,pID) gets the Proportional Gain (Kp) in the EEPROM.

- EEPROM address for Kp: 0x35(53).

Refer to Herkulex Manual pg28 for EEPROM map of gains.

Input Arguments

- sObject - serial port object
- pID - integer

Output Arguments

- EKp - integer

Function Codes

```
function EKp = getEKp(sObject, pID)

    packet = pkGen(pID,02,'1E02'); % EEPROM Addr: 0x1E(30), read 2 bytes data

    inHkx(sObject,packet);

    msg = outHkx(sObject);

    EKp = hex2dec(strcat(msg(21:22),msg(19:20))); % Bytes in reverse order by Little
    Endian Rule
```

end