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*
*           THORSENSOR_VRTC.SET
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*
* Contains all geometric data and basic calibration and setup data
*
* Calibration: = Conversion factor from voltage to engineering units
(units/V)*
*           = 1 if data already in engineering units
*
* Setup:      Calibration value of potentiometer in engineering units
*
*****
*****

* Thorsensor file
* Date: 11/29/08

```

[CRUX]

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Upper Right
  Link Rear = 79.25; Link Front = 67.75; ! Fixed lengths of
linkage arms
  Offset Rear = 18.16; Offset Front = 9.91; ! Fixed vertical
offsets of linkage arms

```

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Base
  Calibration = 1.; Setup = 169.3518;
Mid
  Calibration = 1.; Setup = 72.01164;
Elbow
  Calibration = 1.; Setup = 244.6895;

```

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Upper Left
  Link Rear = 79.25; Link Front = 67.75;
  Offset Rear = 18.16; Offset Front = 9.91;

```

```

Base
  Calibration = -1.; Setup = 151.6418;
Mid
  Calibration = 1.; Setup = 256.3945;
Elbow
  Calibration = 1.; Setup = 74.82515;

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Lower Right
  Link Rear = 85.60; Link Front = 73.10;
  Offset Rear = 18.16; Offset Front = 9.91;

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Base
  Calibration = -1.; Setup = 160.5964;
Mid

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```

        Calibration = 1.; Setup = 230.9136;
Elbow
        Calibration = 1.; Setup = 172.6564;

Lower Left
Link Rear = 85.60; Link Front = 73.10;
Offset Rear = 18.16; Offset Front = 9.91;

Base
    Calibration = 1.; Setup = 170.6074;
Mid
    Calibration = 1.; Setup = 76.07653;
Elbow
    Calibration = 1.; Setup = 204.8654;

[DGSP]
    Right
        stringpot
            Calibration = -1.0; Setup = 155.03
        theta          ! (X - Y rotation)
            Calibration = -1.0; Setup = 160.77
        psi           ! (Z - X rotation)
            Calibration = 1.0; Setup = 153.13

    Left
        stringpot
            Calibration = -1.0; Setup = 188.02
        theta
            Calibration = -1.0; Setup = 154.24
        psi
            Calibration = -1.0; Setup = 163.95

[NECK]

    Neck Force
        Location
            X = 0.; Y = 0.; Z = .0254; ! Location of center of upper
neck LC relative to OC

        FX
            Calibration = 1.0; Setup = .0;
        FY
            Calibration = 1.0; Setup = .0;
        FZ
            Calibration = 1.0; Setup = .0;
        MX
            Calibration = 1.0; Setup = .0;
        MY
            Calibration = 1.0; Setup = .0;
        MZ
            Calibration = 1.0; Setup = .0;

```

Rear Spring

Top

X = -.060; Y = 0.; Z = .0043;

Bottom

X = -.0315; Y = 0.; Z = .0472;

Calibration = 1.0; Setup = .0;

Front Spring

Top

X = .0381; Y = 0.; Z = -.0086;

Bottom

X = .0381; Y = 0.; Z = .0206;

Calibration = 1.0; Setup = .0;

Rotation

Calibration = 1.0; Setup = .0;

[ANKLE]

[Lower Tibia]

Mass = .64;

Load Cell

X = 0.; Y = 0.; Z = -.0907;

FX

Calibration = 1.; Setup = 0;

FY

Calibration = 1.; Setup = 0;

FZ

Calibration = 1.; Setup = 0.;

MX

Calibration = 1.; Setup = 0;

MY

Calibration = 1.; Setup = 0.;

Accelerometer

X = 0.; Y = 0.; Z = -.0454;

[Ankle Pot]

X Pot

Z = .0150;

Calibration = 1; Setup = 0;

Y Pot

Calibration = 1; Setup = 0;

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Z Pot  
  Z = -.0699;  
  Calibration = 1.; Setup = 0;
```