

```
1 -----
2 --
3 --           GNAT RAVENSCAR for NXT           --
4 --           Copyright (C) 2011, AdaCore       --
5 --
6 -----
7
8 -- Abstract data type for the NXT touch sensors
9
10 pragma Restrictions (No_Streams);
11
12 package NXT.Touch_Sensors is
13     pragma Elaborate_Body;
14
15     type Touch_Sensor (Id : Sensor_Id) is tagged limited private;
16
17     function Pressed (This : Touch_Sensor) return Boolean;
18
19 private
20
21     type Touch_Sensor (Id : Sensor_Id) is tagged limited null record;
22
23     Threshold : constant := 600;
24     -- Sampled inputs below this value indicate a button press
25
26 end NXT.Touch_Sensors;
27
```