LEAF-WET-I2C I2C Capacitive leaf wetness, temperature sensor

FEATURES

- Arduino client software libraries.
- Dust and waterproof
- Calibration functions for Wetness
- Low cost and easy to use.

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ELECTRICAL PROPERTIES

	Min/Sleep	Typical	Max
Supply voltage (VCC), V	2.6	3.3	5v
Working current（VCC=3.6V）, mA	-	12	14
Operating Temperature Range, Celsius	-20	25	70

In case your application needs to power up sensor before measurement, time to wait before taking measurement is 100ms (1.7s for old version before v1.1).

MEASUREMENT PROPERTIES

	Resolution	**Range /avg Tolerance**
Wetness	0.1%	1 dry to 100 wet
Temperature (°C)	0.1°C	-20 to 70°C/3%

PHYSICAL PROPERTIES

Sensor dimensions 114 x 24 x11
Cable length 1.5m

ARDUINO

SDA and SCL lines require pullup resistors ~4.7k

wiring to Arduiono:

Arduiono pin #3V3 - sensor **red** (3.3v)
Arduiono pin #A4 - sensor **green** (SDA)
Arduiono pin #A5 - sensor white (SCL)
Arduiono pin #GND - sensor **black** (GND)
Arduiono pin #GND - sensor shield (GND)

Get software

This sample software demonstrates hot to read data from sensor.
Sensor default I2C address is 0x61.

Download Arduino library from there.