DigiKey is a good place to look for sensors and parts  
<https://www.digikey.com/en/products>  
Sensors to look for:

Soil salinity sensor aka electrical conductivity sensor

Soil moisture sensor

Soil temp

Light sensor for PAR(400nm to 700nm wavelength)

pH sensor

Follow this Format

Sensor URL:

Sensor Type:

Sensor Datasheet:

Cost:

Pros:

Cons:

Sensors

1)

Sensor URL: <https://www.dfrobot.com/product-1668.html>

Sensor Type: Soil PH

Sensor Datasheet (product wiki) <https://wiki.dfrobot.com/Gravity__Analog_Spear_Tip_pH_Sensor___Meter_Kit__For_Soil_And_Food_Applications__SKU__SEN0249>

Cost: 99$

Pros: From a reputable company, simple use

Cons: expensive compared to other options

2)

Sensor URL: <https://www.amazon.com/Taidacent-Detector-Agricultural-Phosphorus-Potassium/dp/B08MXXSP59?source=ps-sl-shoppingads-lpcontext&ref_=fplfs&psc=1&smid=A18RFE6ZVD9PX6>

Sensor Type: Soil Nitrogen,Phosphorus,potassium

Sensor Datasheet: <https://cdn.webshopapp.com/shops/277460/files/403594344/sem225.pdf>

I am 99 percent sure this is the proper datasheet the seller on amazon appears to be a reseller however the seller I got this datasheet from is from europe and the seller on amazon is american

Cost: 99$

Pros: Some positive reviews, modbus compatible, covers nitrogen phosphorus, potassium and moisture.

Cons: Expensive,

Note: It may be worthwhile to research how these types of sensors work.

Explanation of how they work: <https://www.niubol.com/Product-knowledge/Soil-NPK-Sensors-Principle.html#:~:text=soil%20NPK%20sensor%20actually%20measures,nitrogen%2C%20phosphorus%20and%20potassium%20content>.

3)

Sensor URL: <https://www.digikey.com/en/products/detail/analog-devices-inc./TMP35GT9Z/996945?utm_adgroup=&utm_source=google&utm_medium=cpc&utm_campaign=Pmax%20Shopping_Supplier_Analog%20Devices_8100_Co-op&utm_term=&utm_content=&utm_id=go_cmp-20238351965_adg-_ad-__dev-c_ext-_prd-996945_sig-CjwKCAiA_aGuBhACEiwAly57MeWzmS0_ghi37wN249Pu3JEKtigXS96Ekr-TVdEjQILDwW_eKKt_ZxoCgpMQAvD_BwE&gad_source=4&gclid=CjwKCAiA_aGuBhACEiwAly57MeWzmS0_ghi37wN249Pu3JEKtigXS96Ekr-TVdEjQILDwW_eKKt_ZxoCgpMQAvD_BwE>

Sensor type: temperature

Sensor Datasheet: <https://www.analog.com/media/en/technical-documentation/data-sheets/TMP35_36_37.pdf>

Cost: $6.85

Pros: Cheap, simple, immediately available, sensing range in acceptable parameters for normal soil temperature

Cons: Unclear how well this will work stuck in soil

4)

Sensor URL:

<https://www.adafruit.com/product/4026>

Sensor type: Moisture

Sensor DataSheet:

<https://learn.adafruit.com/adafruit-stemma-soil-sensor-i2c-capacitive-moisture-sensor>

Cost: $7.50

Pros: Simple, arduino compatible, cheap

Cons: I2C

Air humidity sensor

<https://www.digikey.com/en/products/detail/amphenol-advanced-sensors/CC2D33S-SIP/4732681>

I2C

~$15

0-100%RH +- 3%

3.3v