



## 60cm Nitrate Sensor Rod Datasheet

### Description

PVC rod capable of being inserted into a bored hole within soil to detect nitrate concentration. Rod is equipped with multiple sensor modules which contain electrodes wired back to a central PCB for data processing and transmission. Rod is named as per the deepest sensor which it can hold - the 60cm rod has its deepest sensor module at a depth of 60cm. Number of sensor modules and length of rod is dependent on rod type – rod can include either two sensor modules at 30cm and 60cm deep or three sensor modules at 15, 30 and 60cm depths.

### Applications and Features

- Soil Nitrate Measurement.
- Capable of also measuring Phosphate, Potassium, Conductivity and Temperature.
- SDI-12 compatible.
- PCB supports up to 15 sensors.
- I2C and UART connection available on PCB.
- Works with any Datalogger through SDI-12 connection.

### Technical Specifications

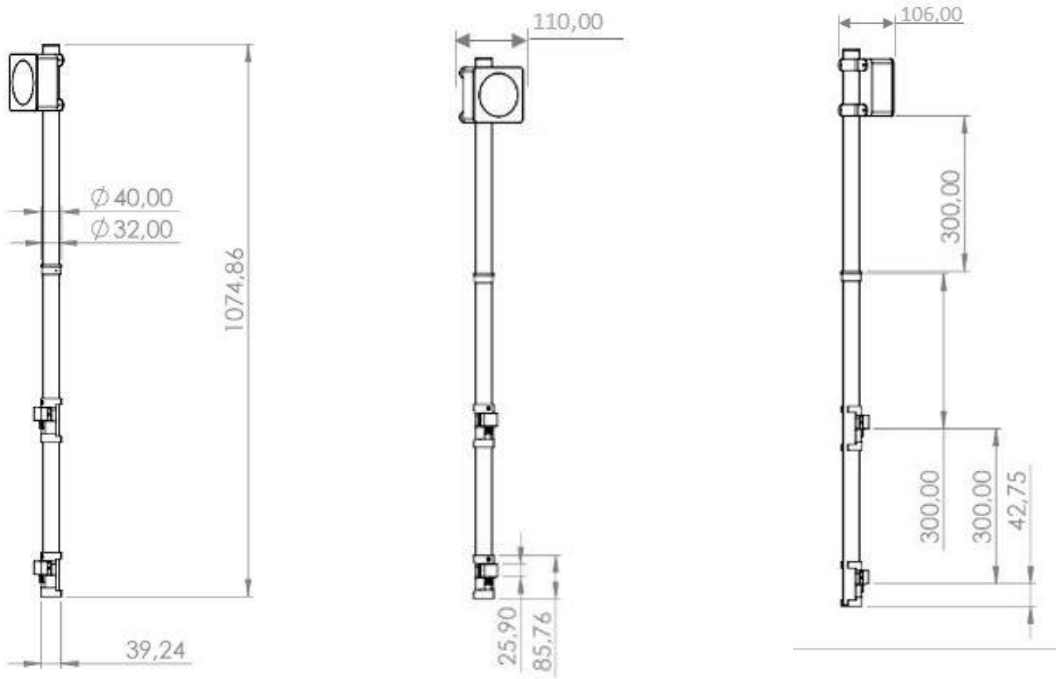
Range of Nitrate Measurement		
	Min	Max
KNO <sub>3</sub> (mM)	0.3	300
Ppm of NO <sub>3</sub> (ppm)	31	1550

Rod Dimension	
Height	1074.86mm
Width	110mm
Depth	106mm
Rod ID	32mm
Rod OD	40mm



Power Requirements		
	Min	Max
PCB Power Supply (V)	6	15

### Technical Drawings



### Photographs

