

N-Viro systems provide a ready to install industrial monitoring solution. Integrating a class 2 microphone for noise monitoring and an MCerts\* particulate sensor for air quality monitoring with the options to add additional environmental sensors including:

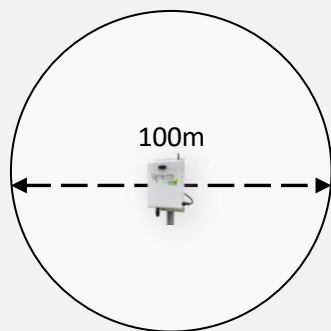
- Wind - Speed and Direction
- Rainfall
- UV
- Air Temperature
- Humidity
- Gas Detection

N-Viro systems are designed to integrate into wireless communication systems to provide remote data access and visualisation. The system output is 2 wire 4-20mA.

- Air Quality - 1 Output
- Noise - 1 or 2 Outputs
- Wind - 1 or 2 Outputs

Integration with a 4-channel analogue node provides 4 data channels

Each N-Viro unit provides monitoring for an area of approximately 100m. N-Viro has been developed to provide a compact system that is commercially viable to install multiple units onsite providing complete boundary monitoring.



Additional installation accessories are available

- Installation poles - 2m, 2.5m, 3m, 3.5m (Straight & bolt down poles\*\*)
- System mounting brackets
- Pole clamp
- Solar power system
- Solar panel mounting bracket

\*MCerts certification is for PM2.5 / Indicative MCerts levels for PM1.0, 5, 10  
\*\*Fixing bolts are not supplied. Fixing holes in base plate are M12



Complete installation system including bolt down 3m installation pole\*\*, solar power system, solar panel mounting bracket system mounting brackets and pole clamps

Noise Monitoring	Air Quality Monitoring
<b>SoundEar®3-320</b> Sensor Type: Class 2 Microphone Parameters: LAF; LAS; LCpeak; Laeq 1s, Laeq 1/4h, Laeq 1/2h, Laeq 1 h. Range: 30 - 120 dB Accuracy: +/- 0.5dB	<b>Greystone PMOS Series</b> Sensor Type: Laser Scatter Parameters: PM1.0, 2.5*, 5, 10 (selectable) Range: 0 - 1000 ug/m <sup>3</sup> Accuracy: +/- 10%
Wind Monitoring – Direction	Wind Monitoring – Speed
<b>Gestechno SEV-100</b> Sensor Type: Potentiometer Parameters: 0.1° Range: 0 - 360 ° Accuracy: +/- 01%	<b>Gestechno SEV-600</b> Sensor Type: Potentiometer Parameters: 0.05 m/s per rotation Range: 0.28 - 50 m/s Accuracy: <0,1m/s (0,4 ÷ 30 m/s)