












## Integrated Environmental Monitoring System AAQ-ENV18

The most versatile and compact Environmental Monitoring System that combines high quality **Weather monitoring sensors** with **Ambient Air Quality parameters** to give a complete system for all kinds of Environmental data.



### Weather Sensors

-  Wind Direction
-  Wind Speed
-  Ambient Temperature
-  Relative Humidity
-  Barometric Pressure
-  Rainfall / Precipitation
-  Solar Radiation
-  UVI
-  NOISE

### Air Quality Sensors

-  PM10
-  PM2.5
-  SO2
-  NO
-  NO2
-  CO
-  H2S
-  VOC
-  O3

#### Applications:

- Construction site Environmental monitoring
- Urban Pollution Monitoring (SMART City Application)
- Development Zone Environmental Monitoring
- Industrial Pollution Source Monitoring
- Traffic Environmental Monitoring
- Intelligent Street Lamp

## Technical Specifications:

| Electrochemical                  | Measuring Range (ppm)   | Sensitivity (ppm)    | Resolution (ppm)             | Overgas (ppm)    |
|----------------------------------|-------------------------|----------------------|------------------------------|------------------|
| CO                               | 0~1000                  | 0.001                | 0.03                         | 2000             |
| NO                               | 0~20                    | 0.001                | 0.001                        | 50               |
| NO2                              | 0~20                    | 0.001                | 0.001                        | 50               |
| SO2                              | 0~100                   | 0.001                | 0.002                        | 200              |
| O3                               | 0~20                    | 0.001                | 0.005                        | 50               |
| H2S                              | 0~100                   | 0.0005               | 0.004                        | 200              |
| VOC                              | 0~100                   | 0.2                  | 5%                           | 200              |
| <b>Option*</b>                   | <b>Measuring Range</b>  | <b>Resolution</b>    | <b>Accuracy</b>              | <b>Note</b>      |
| Temp*                            | -50~80                  | 0.1°C                | 0.3°C                        |                  |
| Humidity                         | 0%~100%                 | 0.1%                 | 2%                           |                  |
| Wind D                           | 0~360°                  | 1°                   | 3°                           |                  |
| Wind S*                          | 0~75m/s                 | 0.1ms                | 0.3m/s or 3%                 |                  |
| Pressure                         | 10~1300hPa              | 0.1hPa               | 0.3hPa(25°C)                 |                  |
| Rainfall                         | 0~5mm/min               | 0.2mm                | 3%                           |                  |
| Radiation                        | 0~2000w/m <sup>2</sup>  | 1w/m <sup>2</sup>    | 5%                           |                  |
| UVI                              | 0~15 Class              | 1 Class              |                              |                  |
| Noise                            | 30~130dB(A)             | A Class              | 1.5dB                        |                  |
| PM2.5                            | 0~1000ug/m <sup>3</sup> | 0.3ug/m <sup>3</sup> | ±15% or ±10µg/m <sup>3</sup> | Laser Scattering |
| PM10                             | 0~1000ug/m <sup>3</sup> | 0.3ug/m <sup>3</sup> | ±15% or ±10µg/m <sup>3</sup> | Laser Scattering |
| TVOC                             | 0~3Class(9 Class)       |                      | 5% FS                        | Diffusion Type   |
| <b>Communication &amp; Power</b> |                         |                      |                              |                  |
| Communication                    | RS485/232/Lan/GPRS      |                      |                              |                  |
| Power                            | DC9~36V                 |                      |                              |                  |



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Solutions for Total Environmental Monitoring