

# Weather Station 7 in 1

## DIG-WS-P-12V



### Description

The weather station automatically measures atmospheric temperature, humidity, and air pressure, as well as wind speed and direction, solar radiation, and precipitation (measurements of luminance and dust concentration are optional).

Notable features are:

- High precision, fast response.
- No moving parts, less maintenance.
- Built-in heating device to ensure normal work in cold weather.

### WARRANTY

This product is warranted to be free from defects in materials and construction for a period of 12 months from the date of delivery. The supplier's liability is limited to the repair or replacement of the defective item.

## Technical Specifications

Measured Variable	Range	Accuracy	Resolution
Wind Speed	0-40 m/s	±5%	0.1 m/s
Wind Direction	0-359°	±3°	1°
Atmospheric Temperature	-40 to 80 °C	±0.5 °C	0.1 °C
Atmospheric Relative Humidity	0-100% R.H.	±5%	1% R.H.
Atmospheric Pressure	150-1100 hPa	±1 hPa	0.1 hPa
Precipitation (Rain/Hail/Snow)	0-100 mm/hr	±10%	0.01 mm
Solar Radiation	0-2000 W/m2	±5%	0.1 W/m2
Luminance (optional)	0-200000 lux	±5%	0.1 lux
Dust Concentration PM1.0, PM2.5, PM10 (optional)	0-500 µg/m3	±10%	1 µg/m3

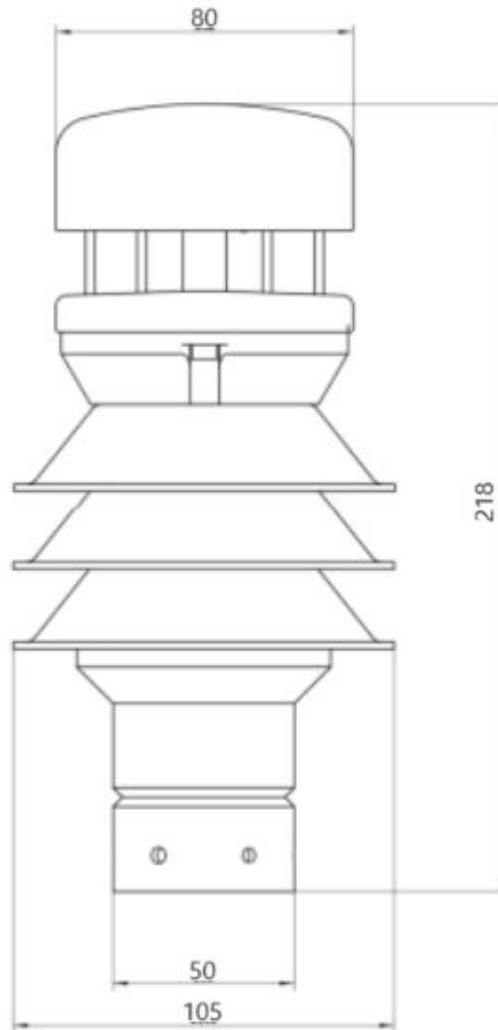
## Technical Specifications

<b>Power Supply</b>	7-24 VDC
<b>Output</b>	MODBUS-RTU/RS485, RS232, SDI-12
<b>Update Time</b>	1s
<b>Power</b>	<2W, self-heating power: 6W
<b>Operating Temperature</b>	-40 to 60 °C
<b>Working Humidity</b>	0 - 100%R.H.
<b>Main Materials</b>	ASA engineering plastic
<b>IP Protection</b>	IP65

## Electrical Connections

<b>Cable</b>	<b>RS485</b>
<b>Red</b>	V+
<b>Yellow</b>	RS485A
<b>Black/Green</b>	V- (GND)
<b>Blue</b>	RS485B

## Dimensions



All units in mm.

**Total weight: 330g**