WEATHER STATION

WxMWS-201

- The **WxMWS-201** is a device that measures temperature, humidity, pressure, rainfall. It provides high resolution and excellent accuracy.
- The WxMWS-201 is suitable for both general-purpose applications and high-precision weather observations.
- **It utilizes 4G LTE communication, enabling direct server communication without the need for separate modems or data loggers.**

Specifications

Temperature, Humidity, Barometric Pressure		
Measurement Method		Digital
Temperature	**Measurement Range**	-40 ~ 125 ℃
	Accuracy	±0.3 ℃
	Resolution	0.1 ℃
Humidity	**Measurement Range**	0 ~ 100 %
	Accuracy	±5.0 %
	Resolution	0.1 %
Barometric Pressure	**Measurement Range**	300 ~ 1,200 hPa
	Accuracy	±0.5 hPa
	Resolution	0.1 hPa

Haptic Rain Sensor	
Measurement Method	Acoustic wave
Resolution	0.01mm
Field accuracy for daily accumulation	5%
Duration	10 s
intensity	1 minute average, 10s steps
Intensity observation range	0 ~20mm/h
Intensity output resolution	0.1mm/h

Wireless Communication	
WIFI	802.11b/g
LTE	CAT M1, CAT1

(16079) 1-410, 25, Obongsandan3-ro,Uiwang-si, Gyeonggi-do, Republic of Korea
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Particle Sensor(Fine Dust)	
Mass concentration accuracy	±10 μg/m³ @ 0 to 100 μg/m³
	±10 % @ 100 to 1000 μg/m³
Mass concentration range	0 to 1,000 μg/m³
Mass concentration resolution	1 μg/m³
Particle detection size range	Mass concentration : PM1.0, PM2.5, PM4 and PM10
	Number concentration : PM0.5, PM1.0, PM2.5, PM4 and PM10
Lower limit of detection	0.3 ㎛
Minimum sampling interval	1 s (continous mode)
Start-up time	<8 s
Lifetime	>8 years operating continously 24 h/day
Acoustic emission level	0.2 m : 25 dB(A)

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