

Outdoor / Indoor Environment Sensor Model D1017 L/N/GSM

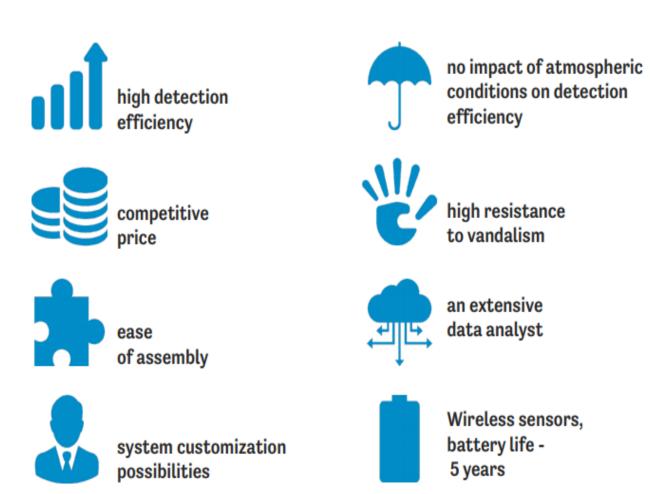




EAOT EN ISO 9001:2015

KEY FEATURES







INTERACTIVE SERVICES AGENCY

Measurement of environmental gaseous pollutants

РМ2.5	Range	0~1000 μg/m3
	Particle size range	0.3-10µm(PM1.0, PM2.5,
		PM10)
	Accuracy	±15 ug/m3(when concentra-
		tion is≤100ug/m3); ±15%
		(when concentration is
	Deenenee time	>100ug/m3)
	Response time	T90 < 45s
	Sampling method	Fan extraction
	MTTF	Continuous uninterrupted > 10000h
CO2	Range	0~5000 ppm
	Accuracy	±(50ppm+5% of reading value)
	Warm-up time	3min
	Response time	T90 < 120s
	Sampling method	Diffuse
	Life span	> 5 years
CH20	Range	0~6.250 mg/m3
	Accuracy	\pm 0.03 mg/m3(when concentration is \leq 0.2mg/m3); %20 \pm
		reading value (when concen-
		tration is >0.2mg/m3)
	Warm-up time	≤ 3min
	Response time	≤ 60s
	Recovery time	≤ 60s
	Sampling method	Diffuse
	Life span	5 years (18~25°C in clean air)



INTERACTIVE SERVICES AGENCY

Measurement of environmental gaseous pollutants

TVOC	Range	0~10 ppm
	Resolution	0.01 ppm
	Accuracy	\pm 0.1ppm, when the concen- tration is \leq 1ppm; \pm 20% full range, when the concentration is over 1ppm;
	Warm-up time	≤ 3min
	Response time	≤ 90s
	Recovery time	≤ 90s
	Sampling method	Diffuse
	Life span	2 years (18~25°C in clean air)
03	Range	0~10 ppm
	Resolution	0.01 ppm
	Accuracy	\pm 0.1ppm, when the concen- tration is \leq 1ppm; \pm 20% full range, when the concentration is over 1ppm;
	Warm-up time	≤ 3min
	Response time	≤ 90s
	Recovery time	≤ 90s
	Sampling method	Diffuse
	Life span	2 years(18~25°C in clean air)
СО	Range	0~500 ppm
	Resolution	0.01 ppm
	Accuracy	± 10% reading value
	Warm-up time	≤ 30s
	Response time	≤ 30s
	Recovery time	≤ 30s
	Sampling method	Diffuse
	Life span	3~5 years (in air)



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INTERACTIVE SERVICES AGENCY

Measurement of environmental gaseous pollutants

NO2	Range	0.1~10 ppm
	Resolution	0.05ppm
	Warm-up time	≤ 3min
	Response time	≤ 120s
	Recovery time	≤ 90s
Temperature	Range	-20~65°C
	Accuracy	±0.5°C(0-65°C)
Humidity	Range	0~100%RH
	Accuracy	±3%RH

The environmental gaseous pollutant

It is installed in the selected points on a mast of thickness Φ 70 and height of 2.5-3 meters. It has a ~ 9AH battery and a 30W photovoltaic panel and is autonomous. Sends the measurements every hour to a central presentation and recording system



D1017 L

frequency 868- 870 MHz EU Standard , Lora Wan detection method: ENV sensor weight: 6.6 Kg, colour: White, Case: IP68, operating temperature for optimum battery consumption - 20 - +600 C, maximum and minimum operating temperature - 41 - + 810 C, Output Power: up to 14 dBm adjustable the communication range with base station: to 500m, power: Photovoltaic Panel rechargeable battery 9,4 AH, battery life: 5-8 years, Communication: Single or bidirectional communication network: LoRaWAN[™] **Model D1017L** detection performance ~ 99%, warranty 2 years CE declaration

D1017 N

NB IOT BAND: B1/B3/B5/B8/B20/B28 Bands working with Vodafone detection method: ENV sensor weight: 6,6 Kg, colour: White, Case: IP68, operating temperature for optimum battery consumption - 20 - +600 C, maximum and minimum operating temperature - 41 - + 810 C, power: Photovoltaic Panel rechargeable battery 9,4 AH, battery life: 5-8 years, Communication: Single or bidirectional communication network: NB IOT **Model D1017N** detection performance ~ 99%, warranty 2 years CE declaration

D1017 GSM 3G 4G

BAND: B1/B3/B5/B8/B20/B28 Bands detection method: ENV sensor weight: 6,6 Kg, colour: White, Case: IP68, operating temperature for optimum battery consumption - 20 - +600 C, maximum and minimum operating temperature - 41 - + 810 C, power: Photovoltaic Panel rechargeable battery 9,4 AH, battery life: 5-8 years, Communication: Single or bidirectional communication network: GSM 3G 4G **Model D1017 GSM 3G 4G** detection performance ~ 99%, warranty 2 years CE declaration



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