

WES

ΠΟΛΥΠΑΡΑΜΕΤΡΙΚΟΙ ΣΤΑΘΜΟΙ ΠΑΡΑΚΟΛΟΥΘΗΣΗΣ ΠΕΡΙΒΑΛΛΟΝΤΟΣ

Οι σταθμοί παρακολούθησης περιβάλλοντος WES είναι σταθμοί μικρού μεγέθους για μέτρηση της ποιότητας αέρα πολλαπλών παραμέτρων. Μπορούν να παρακολουθούν περιβαλλοντικά στοιχεία: PM2.5, PM10, SO₂, NO₂, O₃, CO, H₂S, NO and VOC. Μπορούν επίσης να ενσωματώσουν και πέντε μετεωρολογικά στοιχεία: θερμοκρασία αέρα, υγρασία αέρα, ταχύτητα ανέμου, διεύθυνση ανέμου και ατμοσφαιρική πίεση. Το σύστημα υιοθετεί μονάδες για ευέλικτη διαμόρφωση, μικρό μέγεθος, χαμηλό κόστος και είναι κατάλληλο για διατάξεις υψηλών απαιτήσεων.



Ζαρίφη 6 – Νέα Σμύρνη – Τ.Κ. 17124
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ΣΕΙΡΑ WES



WES-300

VOC Micro environment
grid monitoring Station



WES-800

Multi-parameter environment
grid monitoring station



WES-900

Multi-parameter environment
grid monitoring station



WES-918

Multi-parameter environment
grid monitoring station



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WES300

VOC MICRO ENVIRONMENT GRID MONITORING STATION



ΕΠΙΣΚΟΠΗΣΗ ΠΡΟΙΟΝΤΟΣ

WES300 VOC Micro Environment Grid Monitoring Station is a professional small instrument for monitoring the urban environment, and which can monitor VOC, air temperature and air humidity environment elements. The system adopts this modules for flexible configuration, small size, low cost, and is suitable for gridded, dense, and refined layout requirements.

ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ

Support calibration, industry standard design
Maintenance free, easy to install
Low power consumption and high precision
Standard RS485 protocol output
Using semiconductor methods to monitor volatility Concentration of organic compounds
Integrated monitoring, Grid monitoring
Optional features: GPRS-a01, WiFi-a02, Ethernet-a03, GPS-b02, battery-d01

ΔΙΑΜΟΡΦΩΣΗ ΣΥΣΤΗΜΑΤΟΣ

The WES300 VOC Micro Environment Grid Monitoring Station:

sensor	1 set
3.5m cable	1 line
instruction	1 copy
certificate/warranty	1 copy
packing list	1 copy



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ΤΕΧΝΙΚΕΣ ΠΡΟΔΙΑΓΡΑΦΕΣ

Factor	Measuring range	Resolution	Accuracy	Measuring principle
Air temperature	-40°C~+60°C	0.1°C	±0.3°C	Platinum resistance Air
humidity	0~100%Rh	0.1%Rh	±2%Rh	Capacitance Factor

	Monitoring range	Detection limit	Measuring principle
VOC	0~100ppm	5ppb	PID

Optional configuration function(Built-in sensor): GPRS-a01, WiFi-a02, Ethernet-a03, GPS-b02, Battery-d01.

ΔΙΑΜΟΡΦΩΣΗ ΣΥΣΤΗΜΑΤΟΣ

Power supply :	Solar power supply and 220V switchable
Reliability :	Mean time between failures (MTBF), design value 8500h
Operating Voltage :	9V ~ 30V
Output :	RS485(RS232optional)
Operating Humidity :	0 ~ 100%
Operating Temperature :	-40°C ~ +60°C Measurement :
	140mm x 140mm x 234mm
Weight :	1.0kg



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WES800

EIGHT-PARAMETER ENVIRONMENT GRID MONITORING STATION



ΕΠΙΣΚΟΠΗΣΗ ΠΡΟΙΟΝΤΟΣ

The WES 800 Multi- parameter environmental grid monitoring station is a miniature station, and that developed by our company to measure multi parameters of air quality. It not only can monitor six environmental factors: PM2.5, PM10, SO2, NO2, O3 and CO. and also integrates two meteorological elements: air temperature and air humidity. The system adopts that modules for flexible configuration, small size, low cost, and is suitable for gridded, dense, and refined layout requirements.

ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ

Support calibration, industry standard design
Maintenance free, easy to install
Low power consumption and high precision
Standard RS485 protocol output
Integrated monitoring, Grid monitoring
Optional features: GPRS-a01, WiFi-a02, Ethernet-a03, GPS-b02, battery-d01

ΔΙΑΜΟΡΦΩΣΗ ΣΥΣΤΗΜΑΤΟΣ

The WES800 Multi-parameter environment grid monitoring station:

sensor	1 set
3.5m cable	1 line
instruction	1 copy
certificate/warranty	1 copy
packing list	1 copy



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ΤΕΧΝΙΚΕΣ ΠΡΟΔΙΑΓΡΑΦΕΣ

Factor	Measuring range	Resolution	Accuracy	Measuring principle
Air temperature	-40°C~+60°C	0.1°C	±0.3°C	Platinum resistance
Air humidity	0~100%Rh	0.1%Rh	±2%Rh	Capacitance

Factor	Monitoring range	Detection limit	Measuring principle
CO	0~1000ppm	0.1ppm	Electrochemistry
NO2	0~20ppm	5ppb	Electrochemistry
SO2	0~100ppm	5ppb	Electrochemistry
O3	0~20ppm	5ppb	Electrochemistry
PM2.5	0~1000ug/m3	0.3ug/m3	Laser scattering
PM10	0~1000ug/m3	0.3ug/m3	Laser scattering

Optional configuration function(Built-in sensor): GPRS-a01, WiFi-a02, Ethernet-a03, GPS-b02, Battery-d01.

ΔΙΑΜΟΡΦΩΣΗ ΣΥΣΤΗΜΑΤΟΣ

Power supply:	Solar power supply and 220V switchable		
Reliability :	Mean time between failures (MTBF), design value 8500h		
Operating Voltage :	9V ~ 30V		
Output :	RS485(RS232optional)		
Operating Humidity :	0 ~ 100%	Measurement :	140mm x 140mm x 280mm
Operating Temperature :	-40°C ~ +60°C	Weight :	1.25kg



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WES900

MULTI-PARAMETER ENVIRONMENT GRID MONITORING STATION



ΕΠΙΣΚΟΠΗΣΗ ΠΡΟΙΟΝΤΟΣ

The WES900 Environmental grid monitoring station is a miniature station and that developed by our company to measure multi of parameters air quality. It not only can monitor six environmental factors: PM2.5, PM10, SO2, NO2, O3 and CO. It can also integrates five meteorological elements: air temperature, air humidity, wind speed, wind direction, air pressure. The system adopts modules for flexible configuration, small size, low cost, and is suitable for gridded, dense, and refined layout requirements.

ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ

Support calibration, industry standard design
Maintenance free, easy to install Low power consumption and high precision
Standard RS485 protocol output Integrated monitoring, Grid monitoring Optional
features: GPRS-a01, WiFi-a02, Ethernet-a03, electroniccompass-b01, GPS-b02, heating, battery-d01.

ΔΙΑΜΟΡΦΩΣΗ ΣΥΣΤΗΜΑΤΟΣ

The WES 900 Multi-parameter environment grid monitoring station:

sensor	1 set
3.5m cable	1 line
instruction	1 copy
certificate/warranty	1 copy
packing list	1 copy



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ΤΕΧΝΙΚΕΣ ΠΡΟΔΙΑΓΡΑΦΕΣ

Factor	Measuring range	Resolution	Accuracy	Measuring principle
Air temperature	-40°C~+60°C	0.1°C	±0.3°C	Platinum resistance
Air humidity	0~100%Rh	0.1%Rh	±2%Rh	Capacitance
Wind speed	0~60m/s	0.1m/s	±0.3m/s or 3%	Ultrasonic
Wind direction	0~360°	1°	±3°	Ultrasonic
Air pressure	10~1300hPa	0.1hPa	±1hPa	Silicon piezoresistive
Factor	Monitoring range	Detection limit	Measuring principle	
CO	0~1000ppm	0.1ppm	Electrochemistry	
NO2	0~20ppm	5ppb	Electrochemistry	
SO2	0~100ppm	5ppb	Electrochemistry	
O3	0~20ppm	5ppb	Electrochemistry	
PM2.5	0~1000ug/m3	0.3ug/m3	Laser scattering	
PM10	0~1000ug/m3	0.3ug/m3	Laser scattering	

Optional configuration function(Built-in sensor): GPRS-a01, WiFi-a02, Ethernet-a03, Electronic compass-b01, GPS-b02, Heating, Battery-d01.

ΔΙΑΜΟΡΦΩΣΗ ΣΥΣΤΗΜΑΤΟΣ

Power supply :	Solar power supply and 220V switchable		
Reliability :	Mean time between failures (MTBF), design value 8500h		
Operating Voltage :	9V ~ 30V		
Output :	RS485(RS232optional)		
Operating Humidity :	0 ~ 100%	Measurement :	140mm x 140mm x 350mm
Operating Temperature :	-40°C ~ +60°C	Weight :	1.5kg



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WES918

MULTI-PARAMETER ENVIRONMENT GRID MONITORING STATION



ΕΠΙΣΚΟΠΗΣΗ ΠΡΟΙΟΝΤΟΣ

The WES918 Environmental grid monitoring station is a miniature station developed by our company to measure multi parameter air quality. It not only can monitor nine environmental factors: PM2.5, PM10, SO2, NO2, O3, CO, H2S, NO and VOC. It also integrates five meteorological elements: air temperature, air humidity, wind speed, wind direction, air pressure. The system adopts modules for flexible configuration, small size, low cost, and is suitable for gridded, dense, and refined layout requirements.

ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ

Support calibration, industry standard design
Maintenance free, easy to install Low power consumption and high precision
Standard RS485 protocol output Integrated monitoring, Grid monitoring
Optional features: GPRS-a01, WiFi-a02, Ethernet-a03, electronic compass-b01, GPS-b02, heating, battery-d01.

ΔΙΑΜΟΡΦΩΣΗ ΣΥΣΤΗΜΑΤΟΣ

The WES918 Multi-parameter environment grid monitoring station; sensor	1 set
3.5m cable	1 line
instruction	1 copy
certificate/warranty	1 copy
packing list	1 copy



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ΤΕΧΝΙΚΕΣ ΠΡΟΔΙΑΓΡΑΦΕΣ

Factor	Measuring range	Resolution	Accuracy	Measuring principle
Air temperature	-40°C~+60°C	0.1°C	± 0.3°C	Platinum resistance
Air humidity	0~100%Rh	0.1%Rh	±2%Rh	Capacitance
Wind speed	0~60m/s	0.1m/s	±0.3m/s or 3%	Ultrasonic
Wind direction	0~360°	1°	±3°	Ultrasonic
Air pressure	10~1300hPa	0.1hPa	1hPa	Silicon piezoresistive

Factor	Monitoring range	Detection limit	Measuring principle
CO	0~1000ppm	0.1ppm	Electrochemistry
NO2	0~20ppm	5ppb	Electrochemistry
SO2	0~100ppm	5ppb	Electrochemistry
O3	0~20ppm	5ppb	Electrochemistry
NO	0~20ppm	5ppb	Electrochemistry
H2S	0~100ppm	1ppb	Electrochemistry
VOC	0~100ppm	5ppb	PID
PM2.5	0~1000ug/m3	0.3ug/m3	Laser scattering
PM10	0~1000ug/m3	0.3ug/m3	Laser scattering

ΔΙΑΜΟΡΦΩΣΗ ΣΥΣΤΗΜΑΤΟΣ

Power supply :	Solar power supply and 220V switchable		
Reliability :	Mean time between failures (MTBF), design value 8500h		
Operating Voltage :	9V ~ 30V		
Output :	RS485(RS232optional)		
Operating Humidity :	0 ~ 100%	Measurement :	140mm x 140mm x 350mm
Operating Temperature :	-40°C ~ +60°C	Weight :	1.5kg



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