

GÁZÉRZÉKELÉS

Hordozható és fix gázérzékelő rendszerek

Termékkatalógus 2026

40 termék · ATEX / IECEx · Zone 1 / 2 / 21 / 22

ATEX RENDSZEREK EGY KÉZBŐL

ATEX rendszerek egy kézről

Az Aeris Technologies Kft. robbanásveszélyes környezetbe szánt ipari biztonságtechnikai rendszereket szállít és telepít. A tervezéstől a kábelezésen és beüzemelésen át a dokumentálásig minden lépés hozzánk tartozik, így az ügyfélnek egy partnere és egy felelőse van.

- Minden eszköz ATEX vagy IECEx tanúsítással, CE és RoHS dokumentációval
- Zone 1 / 2 / 21 / 22, IIA-IIC gázcsoport, T1-T6 hőmérsékletosztály
- Helyszíni felmérés, tervezés, szerelés, beüzemelés, éves kalibrálás
- Tételes árajánlat 2 munkanapon belül

TARTALOM

Hordozható gázérzékelők	17 termék
Fix gázérzékelők	11 termék
Gázriasztó központok	8 termék
Háztartási gázriasztók	4 termék

A műszaki adatok angol nyelvűek, az ipari gyakorlatnak megfelelően. Az adatok tájékoztató jellegűek, a műszaki változtatás jogát fenntartjuk.

17 TERMÉK

Hordozható gázérzékelők



AE-GP-101

Portable Gas Detector

IP67

Display	1.77 inch LCD display
Sampling method	natural diffusion
Alarm method	four alarm methods for sound/light/vibration/display
Charging time	4~6h
Error	$\leq \pm 5\%FS$
Working time	$\geq 8h$ continuously
Voltage	DC 3.7V
Response time	T90<60s
Power supply	1500mAh (lithium battery)



AE-GP-102

Portable Gas Detector

IP67

Display	2.0 inch LCD display
Sampling method	natural diffusion
Alarm method	four alarm methods for sound/light/vibration/display
Charging time	$\leq 6h$
Error	$\leq \pm 5\%FS$
Working time	$\geq 8h$ continuously
Voltage	DC 3.7V
Response time	T90<60s
Power supply	1800mAh (lithium battery)



AE-GP-103

Portable Gas Detector

Ex ib IIC T4 Gb · IP67

Display	2.4 inch LCD display
Voltage	DC3.6V
Working temperature	(-10~55)°C
Response time	T90<60s
Charging time	(4~6)h
Level of protection	IP67
Power supply	ER14335 lithium chloride sulfite primary battery
Humidity	<95%RH (no dew)
Sampling method	natural diffusion



AE-GP-104

Portable Single Gas Detector

Ex ib IIB T3 Gb

Display	1.77 inch LCD display
Sampling method	natural diffusion
Alarm method	sound/light/vibration
Voltage	DC 3.7V
Charging time	(4~6)h
Power supply	1500mAh (lithium battery)
Working time	$\geq 8h$ continuously
Working temperature	(-10~55)°C
Response time	T90<60s



AE-GP-105

Portable Multi Gas Detector

II 2G Ex ib IIC T4 Gb · Ex tb IP65 T80°C Db

Display	2.0 inch LCD display
Sampling method	natural diffusion
Alarm method	sound/light/vibration
Voltage	DC 3.7V
Charging time	≤6h
Power supply	1800mAh (lithium battery)
Working time	≥8h continuously
Working temperature	(-10~55)°C
Response time	T90<60s



AE-GP-106

Portable Multi Gas Detector

Ex ib IIC T4 Gb · II 2G Ex ib IIC T6 Gb · II 2D Ex tb IP65 T80°C Db

Display	2.4 inch LCD display
Alarm method	sound/light/vibration/display
Sampling method	natural diffusion
Voltage	DC 3.7V
Charging time	(6~8)h
Power supply	1800mAh (lithium battery)
Working time	≥8h continuously
Working temperature	(-10~50)°C
Response time	T90<30s



AE-GP-107

Portable Single Gas Detector

Ex ib IIC T4 Gb

Alarm type	Sound, light, vibration
Sampling method	Natural diffusion
Accuracy	≤±5% F.S.
Humidity	<95%RH non-condensing
Operating temperature	(-40~70)°C combustible gas; (-20~50)°C toxic gas
Response time	T<30s
Operating voltage	DC 3.7V Li battery 1500mAh
Gas detected	Combustible gas (CH4, C3H8, H2), toxic gas, oxygen; other rare toxic gases (ammonia, NO, PH3, NH3, NO2, HCN, SO2 ...) also available
Working time	>8h continuously



AE-GP-108

Multi Gas Detector with Built-in Pump

II 2G Ex ib IIC T4 Gb

Display	2.4 inch TFT display
Sampling method	pump type
Alarm method	four alarm methods for sound/light/vibration/display
Charging time	over 90% charging within 8 hours
Response time	T90<30s
Working time	≥10h continuously
Voltage	DC 3.7V
Working temperature	(-10~55)°C
Power supply	3600mAh (lithium battery)



AE-GP-109

Multi Gas Detector with Built-in Pump

II 2G Ex ib IIC T4 Gb · Ex tb IP65 T80°C Db

Display	3.5 inch color LCD display
Sampling method	pump type, air pump flow 6 levels adjustable
Alarm method	four alarm methods for sound/light/vibration/display
Charging time	<6h
Voltage	DC 3.7V
Working time	≥8h
Power supply	4000mAh (lithium battery)
Working temperature	(-10~55)°C
Pumping distance	≤20m (with hose)



AE-GP-110

6 in 1 Multi Gas Detector

Ex ib IIC T4 Gb · IP67

Display	resolution 240x160px
Sampling method	natural diffusion
Alarm method	four alarm methods for sound/light/vibration/display
Charging time	<6h
Response time	T90<30s
Working time	≥10h
Voltage	DC 3.7V
Sensor life	2 years
Data communication	supports computer software to view data



AE-GP-111

Portable Multi Gas Detector

Ex ib IIB T4 Gb · IP66

Display	HD dot array screen 190*128
Voltage	DC 3.7V
Working temperature	(-25~55)°C
Response time	T90<60s
Charging time	<7h
Level of protection	IP66
Sampling method	natural diffusion and pump sampling
Working time	≥10h continuously
Humidity	<95%RH (no dew)



AE-GP-112

Portable Gas Detector

Ex ib IIC T3 Gb · IP67

Display	2.0 inch LCD display
Voltage	DC 3.7V
Working temperature	(-10~55)°C
Response time	combustible gas T90<30s; toxic gases T90<60s
Charging time	<6h
Level of protection	IP67
Sampling method	natural diffusion
Working time	≥8h continuously
Humidity	<95%RH (no dew)



AE-GP-113

Multi Gas Detector

Ex ib IIC T3 Gb · IP67

Display	2.4 inch LCD display
Voltage	DC 3.7V
Working temperature	(-10~55)°C
Response time	combustible gas T90<30s; toxic gases T90<60s
Charging time	<6h
Level of protection	IP67
Sampling method	natural diffusion
Working time	≥8h continuously
Humidity	<95%RH (no dew)



AE-GP-114

Portable Gas Leakage Detector

Gas	EX
Range	(0~10000) μmol/mol
Alarm method	four alarm methods for sound/light/vibration/display
Charging time	(6~8)h
Response time	T90<60s
Working time	≥8h continuously
Voltage	DC 3.7V
Working temperature	(-10~50)°C
Power supply	2800mAh (lithium battery)



AE-GP-115

Portable Gas Leakage Detector

Display	190*128 lattice LCD
Sampling method	natural diffusion
Alarm method	four alarm methods for sound/light/vibration/display
Charging time	≤5h
Response time	T90≤30s
Working time	≥10h
Voltage	DC 3.7V
Working temperature	(-25~55)°C
Power supply	2500mAh (lithium battery)



AE-GP-116

Refrigerant Leak Detector

Ex ib IIC T3 Gb

Maximum sensitivity	≥2 g/year
Working voltage	DC 3.7V (lithium battery)
Response time	<1s
Alarm indicators	display/sound/vibration
Temperature	(-10~50)°C
Charge time	(6~8)h
Humidity	<93%RH no dew
Working time	≥8h continuously
Refrigerants	R134A / R22 / R410A / R32 / R507A / R404a / R1234yf



AE-GP-117

Portable Sampling Pump

Ex ib IIC T3 Gb

Principle	diaphragm self-priming
Working flow	≥500ml/min
Warming time	<20s
Display	LCD
Working condition	temp. (-10~60)°C, hum. ≤95%RH
Standby	>8h
Dimension	179x65x30mm
Storage environment	temp. (-10~60)°C, hum. ≤85%RH
Power	1500mA rechargeable lithium battery

11 TERMÉK

Fix gázérzékelők



AE-GF-101

Fixed Gas Detector

Ex db IIC T6 Gb · Ex tb IIIC T80°C Db · IP67

Detect gas	combustible gas and toxic gas
Voltage	36V
Working temperature	(-20~50)°C
Humidity	≤93%RH no condensation
Level of protection	IP67
Sample manner	natural diffusion
Cable	RVVP 0.75mm²x2
Power consumption	≤2W
Working pressure	(86~106)kPa



AE-GF-102

Fixed Multi-gas Detector

Ex db IIC T6 Gb · Ex tb IIIC T80°C Db · IP66

Gas type	CH4/O2/CO/H2S
Voltage	DC (24±3.6)V
Working temperature	(-10~55)°C
Response time	T90<60s
Installation method	wall-mounted / pipeline type
Level of protection	IP66
Working pressure	(86~106)kPa
Working mode	long-term continuous work
Humidity	<95%RH (no dew)



AE-GF-103

Fixed Gas Detector (aluminium housing)

II 2G Ex d IIC T6 Gb

Detect gas	combustible gas
Wires	3*1.5mm² shielding wire
Sampling method	natural diffusion
Supply voltage	DC 24V ±3.6V
Resolution ratio	1%LEL
Working temperature	(-40~70)°C
Detection range	3~100%LEL
Working humidity	≤95%RH (no dew)
Indication error	±3%LEL



AE-GF-104

Fixed Gas Detector (304 stainless steel)

II 2G Ex d IIC T6 Gb

Test object	combustible gas
Voltage	DC 24V ±3.6V
Working temperature	(-10~55)°C
Storage temperature	(-20~55)°C
Level of protection	IP66
Detection method	diffusion type
Working mode	long-term continuous work
Power consumption	≤2.5W
Working pressure	(86~106)kPa



AE-GF-105

Inhalation Point Gas Detector

Ex db IIC T6 Gb · Ex tb IIIC T80°C Db

Detect gas	CH4/O2/CO/H2S
Voltage	DC 24V ±3.6V
Working temperature	(-10~55)°C
Humidity	≤93%RH (no dew)
Level of protection	IP66
Sampling method	pump type
Working mode	long-term continuous work
Power consumption	≤5W
Working pressure	(86~106)kPa



AE-GF-106

Fixed Gas Detector

II 2G Ex d IIC T6 Gb · II 2D Ex tb IP65 T80°C Db

Detect gas	single gas (please see the appendix)
Connecting thread	M20*1.5 (internal thread), G1/2 (inner tube thread)
Sensor	supports electrochemical / catalytic / semiconductor / infrared / PID
Sampling method	natural diffusion
Supply voltage	DC 24V ±3.6V
Installation	wall-mounted / pipeline type
Working temperature	(-40~70)°C
Accuracy	≤±5%FS
Working humidity	≤95%RH (no dew)



AE-GF-107

Fixed Gas Detector

Detect gas	CH4 / C3H8 / C4H10
Using wires	4*0.5mm² shielding wire
Sampling method	natural diffusion
Supply voltage	DC24V ±3.6V
Resolution ratio	1%LEL
Working temperature	(-40~70)°C
Detection range	(3~100)%LEL
Working humidity	≤95%RH (no dew)
Error	±3%LEL



AE-GF-108

Fixed Combustible Gas Detector

Ex db IIC T6 Gb · Ex tb IIIC T80°C Db · IP66

Gas type	combustible gas
Voltage	DC 24V
Working temperature	(-40~70)°C
Response time	T90<30s
Humidity	≤93%RH (no dew)
Shell material	die cast aluminium
Level of protection	IP66
Sampling method	natural diffusion
Working mode	long-term continuous work



AE-GF-109

Dust Detector

Detection	total suspended particulate matter (TSP)
Voltage	DC 24V $\pm$ 3.6V
Working temperature	(-40~70)°C
Humidity	$\leq$ 95%RH (no dew)
Sensor	laser sensor
Sampling method	natural diffusion
Working mode	long-term continuous work
Installation method	wall-mounted / pipeline type
Output	4~20mA, RS485



AE-GF-110

Fixed Multi Gas Detector

II 2G Ex d IIC T6 Gb · II 2D Ex tb IP65 T80°C Db

Detect gas	EX / O ₂ / CO / H ₂ S (please see the appendix)
Sensor	supports electrochemical / catalytic / semiconductor / infrared / PID
Relay	two relays output, free contact 30V DC 2A / 125V AC 0.3A
Sampling method	natural diffusion
Repeatability	$\leq$ 2%
Installation method	wall-mounted / pipeline type
Supply voltage	DC 24V $\pm$ 3.6V
Relay thread	M20*1.5 (internal thread), G1/2 (inner tube thread)
Working temperature	(-10~50)°C



AE-GF-111

Fixed Dust Detector

II 2G Ex d IIC T6 Gb · II 2D Ex tb IP65 T80°C Db

Detect gas	PM2.5 / PM10
Supply voltage	DC 24V $\pm$ 3.6V
Sampling method	laser scattering
Working temperature	(-20~55)°C
Resolution ratio	1 μ g/m ³
Working humidity	$\leq$ 95%RH (no dew)
Detecting range	(0~1000) μ g/m ³ / (0~6000) μ g/m ³
Working pressure	(86~106)kPa
Using cables	>3*1.5mm ² shielding wire

8 TERMÉK

Gázriasztó központok



AE-GC-101

Multiple Channels Gas Controller

System power	≤5W
Voltage	AC 220V ±10%
Controller port	free contact full load power 1kW
Working temperature	(-10~50)°C
Signal input	three-wire 4~20mA, four-wire RS485
Working environment	≤95%RH (no dew)
Signal output	RS485 (MODBUS)
Weight	22*37*9cm
Transmitter type	24V DC power supply, 4~20mA signal input (three-line transmitter), Modbus protocol (RS485 transmitter)



AE-GC-102

Multiple Function Alarm Controller

Touch screen	4.3 inch / 7 inch
System power	≤5W
Controller port	free contact full load power 2kW
Voltage	AC 220V ±10%
Signal input	three-wire 4~20mA, four-wire RS485
Working temperature	(-10~50)°C
Signal output	RS485 (MODBUS)
Wireless 433	optional function
Transmitter type	24V DC power supply, 4~20mA signal input (three-line transmitter), Modbus protocol (RS485 transmitter)



AE-GC-103

Gas Controller

Display	LCD display and status indicator
Output voltage	≤20W
Temperature	(0~40)°C
Dimension	DC 24V ±6V
Relative humidity	≤95%RH (no dew)
Working voltage	28*20*6.5cm (about 3350g)
Controller power	AC power supply, rated voltage AC220V 50/60Hz; battery backup: two sections of DC12V/1.3AH sealing lead acid battery
Alarm concentration	two-level sound and light alarm: sound (between 65dB and 100dB within 1 meter), the light state indicates the alarm
Input signal	supports two-wire / three-wire 4~20mA current model and RS485 digital signal



AE-GC-104

Gas Controller

Display	LCD display and status indicator
Panel consumption	≤80W
Temperature	(0~40)°C
Working voltage	DC 24V ±6V
Relative humidity	≤95%RH (no dew)
Dimension	34*27*10cm (about 7000g)
Controller power	AC power supply, rated voltage AC220V 50/60Hz; battery backup: two sections of DC12V/1.3AH sealing lead acid battery
Alarm concentration	two-level sound and light alarm: sound (between 65dB and 100dB within 1 meter), the light state indicates the alarm
Input signal	RS485 digital signal



AE-GC-105

Gas Controller

Display	LCD display and status indicator lights
Output voltage	DC 36V
Working temperature	(0~40)°C
Humidity	≤95%RH (no dew)
Signal input	4-20mA, RS485 digital signal
Digital upload protocol	two-way RS485, the protocol supports MODBUS
System power	≤25W
Signal output	three sets of relay contact outputs
Dimension & weight	31*21*8cm (about 2900g)



AE-GC-106

Gas Controller

Display	7 inch touch screen and status indicator light
Output voltage	DC 24V ±6V
Working temperature	(0~40)°C
Humidity	≤95%RH (no dew)
Signal input	supports two-wire RS485 digital signal
Digital upload protocol	one-way RS485, the protocol supports MODBUS
System power	≤75W
Signal output	four sets of relay contact outputs
Dimension & weight	37*24*10cm (about 7000g)



AE-GC-107

Gas Controller

Display	10.1 inch touch screen and status indicator lights
Working temperature	(0~40)°C
System power	≤120W
Signal output	four sets of relay contact outputs
Humidity	≤95%RH (no dew)
Signal input	supports two-wire RS485 digital signal
Output voltage	DC 24V ±6V
Dimension & weight	43*29*9.5cm (about 6000g)
Alarm concentration	two-level sound and light alarm



AE-GC-108

Standby Power Supply Box

Operating temperature	(0~40)°C
Communication	supports two-wire RS485 digital signals
Relative humidity	≤95%
Output power	≤300W
Load capacity	32 detectors
Shell	galvanized cold plate
Size	400*340*97mm
Weight	about 10kg
Working voltage	AC220V ±15% 50Hz; working current ≤2.6A; backup battery lead acid 12V 9.0Ah, quantity 2; charging current ≤0.5A

4 TERMÉK

Háztartási gázriasztók



AE-GH-101

Household Gas Alarm

Gas	CH4
Sampling method	natural diffusion
Overall power consumption	<2W
Power supply method	AC 90V~264V
Alarm setting value	10%LEL
Warm-up time	3min
Working temperature	(0~55)°C
Response time	T90≤30s
Working environment	<95%RH (no dew)



AE-GH-102

Household Gas Alarm

Gas	CH4
Sampling method	natural diffusion
	Energy saving
	Two relays output, can control AC220V solenoid valve
Alarm setting value	10%LEL
Alarm method	sound (≥70dB) light alarm



AE-GH-103

Household Gas Alarm

Gas	CH4
Sampling method	natural diffusion
Overall power consumption	4W
Power supply method	5VDC, 3.7V@3200mAh backup battery
Alarm setting value	10%LEL
Warm-up time	3min
Working temperature	(-10~55)°C
Response time	T90≤30s
Working environment	<93%RH (no dew)



AE-GH-104

Optional Accessory for Household Gas Alarms

Compatible with BH-H3, BH-H5, BH-H7 household gas alarms

KAPCSOLAT

Aeris Technologies Kft.

Árajánlatot a cikkszám megadásával kérhet.

E-mail: info@aeristech.eu

2161 Csomád, Kossuth Lajos út 47.

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