

ANWETECH Explosion-Proof Product Brochure

Reliable Explosion-Proof Fire Safety Devices



Explosion-Proof Devices

AT-EB01 Explosion-Proof Infrared Beam
Smoke Fire Detector



Explosion-Proof Marking	Ex db ib IIC T6 Gb / Ex tb IIIC T80°C Db
Operating Voltage	DC15V to DC28V
Current	Standby ≤12mA; Alarm ≤22mA
Coverage Area	up to 1,400 m ² (100 m ×14 m)
Operating Temp.	-20°C to +50°C
Protection	IP65, 2×G3/4" entries

AT-EBL01 Explosion-Proof Bell



Explosion-Proof Grade	Ex db IIC T6 Gb / Ex tb IIIC T80°C Db
Operating Voltage	DC24V / AC220V
Sound Output	95 dB ~110 dB
Protection Level	IP65
Operating Temp.	-20°C ~ +40°C

AT-ESL01 Explosion-Proof Strobe Light



Explosion-Proof Grade	Ex db ib IIC T6 Gb / Ex ib tb IIIC T80°C Db
Operating Voltage	DC24V
Flash Rate	60 flashes / min
Protection Level	IP65
Operating Temp.	-20°C ~ +40°C

AT-ESS01 Explosion-Proof Sound & Strobe Alarm



Explosion-Proof Marking	Exdib IIC T6 / ExtD A21 IP65 T85°C
Operating Voltage	DC24V
Sound Intensity	90~110 dB
Alarm Current	≤250 mA
Protection Level	IP65
Operating Temp.	-20°C ~ +50°C

AT-ESS02 Explosion-Proof Sounder



Item	Specification
Operating Voltage	DC 24 V
Alarm Current	≤ 250 mA
Sound Pressure Level	75 – 95 dB
Ingress Protection	IP65 / IP54
Operating Temperature	–20 °C ~ +50 °C
Humidity	≤ 95% RH (non-condensing)

AT-EH01 Explosion-Proof Heat Detector



Item	Specification
Voltage	DC 24 V ± 2 V
Alarm Category	A1R
Standby Current	≤ 60 μA
Alarm Current	10 – 30 mA
Coverage Area	30 m ² (≤ 8 m height)
Operating Temperature	–20 °C ~ +50 °C
Relative Humidity	≤ 95% RH

AT-ES01 Explosion-Proof Smoke Detector



Item	Specification
Operating Voltage	DC 24 V ± 2 V
Alarm Current	10 – 30 mA
Response Threshold	0.10 – 0.27 dB/m
Protection Area	80 m ² (6–12 m) / 60 m ² (≤ 6 m)
Operating Temp.	-20 °C ~ +50 °C
Protection Level	IP65

AT-EM01 Explosion-Proof Manual Call Point



Item	Specification
Operating Voltage	DC 24 V
Contact Capacity	OUT-1: Passive NO, 0.5 A OUT-2: Relay NO, 7 A
Indicator	Standby: Green / Alarm: Red
Ingress Protection	IP65
Operating Temp.	-20 °C ~ +50 °C

AT-EG01 Gas Detector



Item	Specification
Detection Principle	Catalytic / Electrochemical / Infrared / Semiconductor / PID
Target Gas	As specified (Combustible or Toxic gases)
Power Supply	DC 24 V
Output Signals	4-20 mA / RS485 (ModBus RTU) / Relay Contact
Protection Rating	IP66
Operating Temp.	-40 °C ~ +70 °C

AT-EG02 Gas Detector



Item	Specification
Detection Target	Combustible Gas / Toxic Gas / Oxygen
Operating Voltage	24-36 VDC (Non-Polarity)
Protection Rating	IP66
Output Interfaces	RS485 / PowerBUS / Relay Output / External 24V Sound & Light Alarm
Operating Temp.	-40 °C ~ +70 °C
Compatible Sensors	Catalytic / Semiconductor / Electrochemical / Infrared / PID



Item / Model	FD1-UVIR3	FD1-UVIR2	FD1-IR3	FD1-UV
Spectral Range	IR: 3.8–5.0 μm ; UV: 185–260 nm	IR: 4.3–5.0 μm ; UV: 185–260 nm	IR: 3.8–5.0 μm	UV: 185–260 nm
Response Time (n-Heptane)	Varies by fuel, fire size, distance	Varies	Varies	Varies
Field of View	120°	90°	120°	—
Optical Integrity (Oi)	Yes	Yes	No	—
Operating Temp.	-40 °C ~ +70 °C			
Storage Temp.	-40 °C ~ +85 °C			
Humidity	0 ~ 96% RH (Non-cond.)			
Operating Voltage	24 V DC (18 ~ 30 V)			
Operating Current	≤ 50 mA			
Output Signal	Two Relay Outputs			
Contact Rating	1 A @ 30 V DC			
Housing Material	Cast Aluminum			
Conduit Entry	1 \times NPT 3/4"			
Dimensions	120 \times 95 \times 85 mm			
Weight	0.7 kg			
Explosion Protection	Ex db IIC T6 Gb / Ex tb IIIC T80 °C Db			

AT-FD03 Flame Detector



Parameter	Specification
Detection Target	Fuel oil & gas combustion flames
Detection Principle	Ultraviolet (UV) detection, 185–260 nm
Operating Voltage	24 V DC \pm 10%
Response Time	\leq 1 s (Alarm Delay 1–120 s adjustable)
Detection Distance	\leq 8 m
Output Signals	Switch (Dry Contact), 4–20 mA, RS485/Modbus
Protection Level	IP66, Ex db IIC T6 Gb / Ex tb IIC T80 °C Db

AT-ET01 Explosion-Proof Telephone



Parameter	Specification
Product Material	Aluminum Alloy
Protection / Explosion-proof	IP68, Ex ib mb IIC T6 Gb / Ex tb IIC T80°C Db
Power Supply	220 V AC / 12 V DC
Operating Frequency	300 Hz ~ 3400 Hz
Ringling Sound Level	110 ~ 120 dBA
Operating Temperature	-40 °C ~ +70 °C

AT-FG04 Gas Controller



Parameter	Specification
Detection Target	Flammable / Toxic Gas
Detection Range	0-100% LEL (Combustible Gas) 0-N $\mu\text{mol/mol}$ 0-N% Vol (Sensor-dependent)
Basic Error	< $\pm 5\%$ FS
Display	Digital Tube
Alarm Mode	Sound & Light Alarms
Alarm Output	Two-stage Relay Output (Normally Open/Closed)
Contact Capacity	5A / 250V AC
Power Supply	AC 220V, 50 Hz
Operating Temp.	-20 $^{\circ}\text{C}$ ~ +50 $^{\circ}\text{C}$
Operating Humidity	$\leq 95\%$ RH
Installation	Wall-mounted, 165 mm spacing, $\Phi 6$ mm aperture

AT-FG99 Gas Controller



Parameter	Specification
Detection Gas	Flammable / Toxic / Oxygen
Detection Range	0-100% LEL / 0-N% Vol / 0-N $\mu\text{mol/mol}$ (Sensor-dependent)
Basic Error	< $\pm 5\%$ FS
Display	LCD (Gas type, value, records, fault)
Alarm Output	4 relays, NO/NC/pulse, 250V AC 5A
Communication	RS485
Power Supply	AC 220V, 50 Hz
Operating Temp.	-20 $^{\circ}\text{C}$ ~ +50 $^{\circ}\text{C}$
Operating Humidity	$\leq 95\%$ RH
Installation	Wall-mounted