TH-1000 Continuous Emission Monitoring System

Parameter

Detecting gas	Toxic gases, oxygen, carbon dioxide, flammable and explosive gases, TVOC, etc.
Applications	Petroleum, chemical, pharmaceutical, environmental protection, gas distribution, storage, flue gas analysis, air treatment and all other occasions that require fixed installation and online detection of gas concentration.
Testing range	0～1、10、100、1000、5000、50000、100000ppm、200ml/L、100%LEL、20%、50%、99.999%、100%Vol Optional，Other ranges can be customized
Resolution	0.01ppm 或 0.001ppm（0～10 ppm）；0.01ppm（0～100 ppm）,0.1ppm（0～1000 ppm），1ppm（0～ more than 1000 ppm），0.01ml/L（0～200%ml/L）、0.1%LEL、0.01%、0.001%Vol。
Detection principle	Electrochemical, catalytic combustion, infrared, thermal conductivity, PID photoionization, etc., depending on gas type, range, site environment and user requirements.
Sensor life	Electrochemical principle 2 to 3 years, oxygen 2 years or 6 years optional, infrared principle 5 to 10 years, catalytic combustion 3 years, thermal conductivity 5 years.
Detection accuracy	≤±3%F.S （Higher precision can be customized）
Linearity	≤±2%
Repeatability	≤±2%
Uncertainty	≤±2%
Recovery time	≤30 second
Response time	T90≤20 second

Signal Output	Bus system RS485 (RTU), three (four) wire system 4～20mA, optional: 0～20mA, 1～5V, 0～5V, 0～10V, wireless transmission, network transmission, SMS alarm.
Working Environment	Temperature：-40℃～+70℃, Humidity：≤10～95%RH （General）Non-condensing occasions in the use of condensing occasions must be custom-made or specify the use of environment when ordering
Display	On-site 1.7" HD color screen display, optional on-site no display, or optional MIC2000 controller remote display, control, alarm
Working Voltage	12 to 36VDC, 24V, 1A or more than 1A DC regulated switching power supply as standard for a single device
Power	24V, 2.1A switching power supply can drive 40 toxic gas detectors, or 15 combustible and infrared gas detectors
Operation mode	Fixed installation, online detection, diffusion measurement; optional pipeline, circulation, pump suction measurement
Installation method	Pipeline type, wall-mounted type. The working pressure of pipeline type is ±30% of atmospheric pressure, beyond the range need to reduce the pressure treatment.
Alarm method	Default 1 way, optional 2 way passive contact (dry node) output, three level alarm, alarm point can be set. Live sound and light alarm (optional)
Connection Cable	4 ~ 20mA selected three-core shielded cable, RS485 selected four-core, the distance of more than 1000 meters when the single wire diameter ≥ 1.5mm; shielding layer to earth.
Protection level	IP65 (Probes)
Explosion-proof type	Explosion-proof type (Probes)
Explosion-proof signs	Exd Ⅱ CT6(Probes)
Execution Standards	GB15322.1-2003 GB 3836.1—2010 GB 3836.2—2010
External size	400×180×600mm(L×H×W)
Weight	1.8Kg(Probes)
Standard Accessories	Instruction manual, certificate of conformity, warranty card, outer box packaging box
Options	One-piece sound and light alarm, split sound and light alarm, 24V DC regulated power supply, accessories for computer monitoring: free host software, RS485/RS232 converter, USB/RS232 conversion cable for laptops without RS232 interface, and TCP/IP converter for network transmission.
Wireless transmission	Optional function, you can wirelessly transmit data to cell phones, remote monitoring centers, monitoring computers and other monitoring equipment, using the computer on the computer, data analysis, storage, printing and other functions
Pretreatment system	Optional: Normal temperature and high humidity pretreatment system, high temperature and high humidity pretreatment system, high temperature and high humidity and high dust pretreatment system
Mounting accessories	Optional: wall mounting bracket, mounting buckle fixed on the pipeline (four or six branch pipes), stainless steel threaded welding seat or flange for pipeline installation (pipe or flange size shall be indicated, such as DN50, DN15...) Rain cover, 24VDC or 220ac sampling pump (sampling distance 10m), vacuum pump (sampling distance greater than 40m), 24V switching power supply, pressure reducing valve and flowmeter.

Система онлайн-мониторинга Zetron TH-2000-C

Parameter

System composition	Sampling unit, sample gas pre-treatment unit, gas analysis unit
Detecting parameters	NOX, NO, NO2, O2, optional SO2 and other gases, also can access to detect wind speed, wind direction, rainfall, atmospheric pressure, pipe pressure, temperature and humidity and other meteorological parameters, selected according to customer requirements
Measuring range	NOX (0-100mg/cubic), NO (0-100mg/cubic), NO2 (0-50mg/cubic), O2 (0-30%Vol), SO2 (0-100mg/cubic), other ranges are optional, depending on the actual needs of the detection site
Detection principle	Electrochemical, depending on the gas composition, concentration and site conditions, infrared, laser, ultraviolet spectroscopy and other principles are available
Sampling temperature	-40℃~600℃(standard), higher temperature can be customized, within 2000℃
Sampling humidity	0~99%RH, high humidity gas can be pre-treated
Host working environment	- 40℃~70℃, ≤95%RH
Working mode	Online continuous work, pump sampling (positive pressure, negative pressure, vacuum environment are available)
Sampling distance	Standard 30~40 meters, optional vacuum pump sampling distance is greater than 70 meters
Sampling flow	Adjustable, 2 l / min (standard), 4 or 10 l / min, optional
Operating voltage	220VAC, 50HZ
Output signal	4 ~ 20mA, RS485, multiple passive contacts, optional: DTU wireless transmission, network transmission and other ways
Dimension	820mm high * 500mm wide * 350mm thick
Protection level	IP66 outdoor waterproof type, optional explosion-proof type
Display mode	Standard products for 7-inch touch screen display, optional no display window, linux operating system
Data storage	Optional 100,000 data or 16G large-capacity SD memory card, U disk storage
Printing mode	No printing function, optional wireless Bluetooth printer for printing
Alarm mode	Optional integrated sound and light alarm or external sound and light alarm

XB-660F Temp Pressure Flow Monitoring Instrument

Parameter

Temperature measurement method	TP100 thermistor
Pressure measurement method	Micro differential pressure sensor
External working temperature	Instrument: -20～300℃
Flow rate range	0-40m/s
Temperature range	0-300℃
Pressure range	2000Pa
Flow rate measurement accuracy	±2.5%FS
Pressure measurement accuracy	±2.5%FS
Temperature measurement accuracy	±2.5%FS
Blowback gas	Instrument gas 0.3~0.8MPa
Transmission protocol	Modbus protocol
Pitot tube	316F stainless steel material
Display mode	two-colour LCD display, LCD display resolution 3 or 4 decimals, software for setting, no backlight since 30 minutes (can be set), current loss 4mA (no backlight)
Communication mode	RS485,4-20MA communication mode
Sampling mode	in-line, in-situ
Working power	AC220V±5% 50Hz
Main board power consumption	standby ≤ 3 W, back-blowing, zero calibration ≤ 25 W
Probe length	conventional 0.5m, 1.0m, customizable (<1.8m) scalable adjustment
Service life	meter > 24 months, sensor > 20 months (used under normal conditions)
Installation	plug-in, DN65 standard flange installation